

What Happens Next?

All comments received in response to this Public Information Event will be considered by Cork County Council and will be taken into account in the preparation of the first stage of the Douglas Flood Relief Scheme Engineering Study and Environmental Impact Assessment.

The Environmental Impact Assessment and Engineering Study for the Douglas Flood Relief Scheme will be delivered in the following stages:

Environmental Impact Assessment		Engineering Study	
Stage I	Part 1 Constraints Study (<i>this stage</i>)	Stage I	Scheme Development
	Part 2 Screening for Appropriate Assessment		Data Gathering and Surveying
Stage II	Part 1 Environmental Assessment of Viable Options		Hydrology Study & Hydraulic Modelling
	Part 2 Appropriate Assessment		Site Investigations
Stage III	Environmental Impact Statement		Flood Risk Assessments
Stage IV	Public Exhibition <u>or</u> Part 8 Planning		Flood Risk Management Options
			Cost Benefit Analysis
			Selection of Preferred Option
		Stage II	Public Exhibition <u>or</u> Part 8 Planning
		Stage III	Detailed Design
		Stage IV	Construction

Your Feedback is Important

Cork County Council wishes to consider all viewpoints in relation to the Study Area being examined. This is your opportunity to take part at the early stages of the planning of the Douglas Flood Relief Scheme. Time spent communicating your views to Cork County Council is appreciated.

The general public and all interested parties are invited to give their opinions on the Study Area. Please examine the Study Area shown overleaf and let your views be known by:

- Completing and returning the attached Questionnaire by 28th March 2014
- Emailing us at douglasfrs@arup.com
- Writing to the address below by Friday 28th March 2014
- Website: www.douglasfrs.ie

Further Information

All queries, questionnaires and comments in relation to this project can be addressed to:

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Outline Delivery Programme

Stage	Description	Key dates
Stage I	Development of a number of flood defence options and the identification of a preferred Scheme	Complete by July 2014
Stage II	Public Exhibition of Scheme	Complete by December 2014
Stage III	Detailed Design, Confirmation and Tender	Complete by September 2015
Stages IV and V	Construction and Handover of the Works	Commence September 2015

Douglas Flood Relief Scheme (Including Togher Culvert)



ARUP

Public Information Day

26th February 2014
Douglas Community Centre...
3pm - 7pm...

Arup has been appointed by Cork County Council to undertake the design and implementation of the proposed Douglas Flood Relief Scheme (Including Togher Culvert).

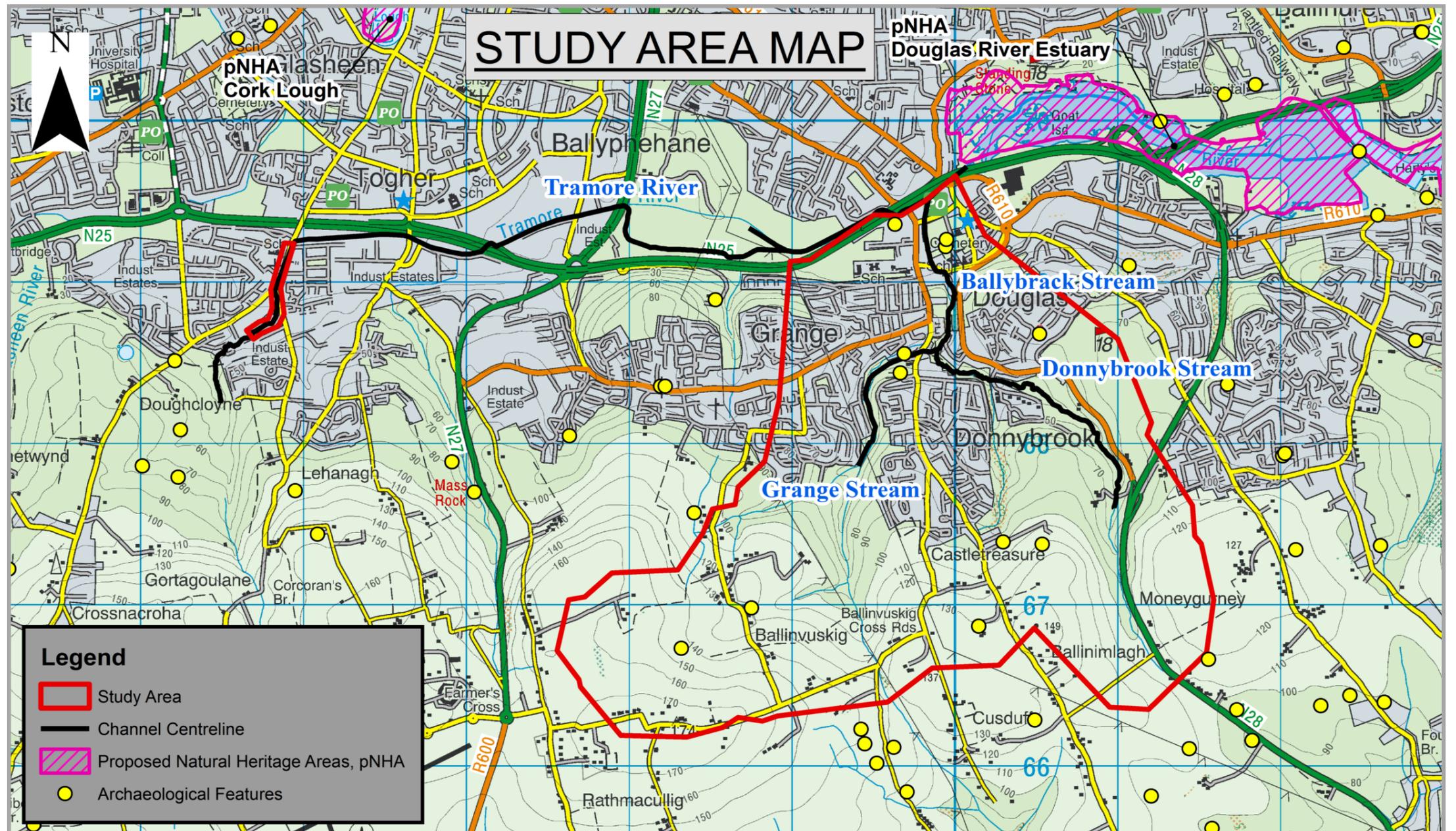
This is the first public consultation day for the project; its objective is to gather information from the public about their experiences of flooding in the Study Area along with their thoughts on possible solutions to the flooding problem and their preferences in this regard. Local experience, knowledge and insight is an essential pre-requisite for any successful Flood Relief Scheme. We also welcome any thoughts on potential environmental issues within the Study Area, in particular thoughts on constraints with regard to environmental issues and implementation of solutions.

Purpose Of The Project

The purpose of the Douglas Flood Relief Scheme is to assess and develop a viable, cost effective and sustainable Flood Relief Scheme to alleviate flooding in Douglas and Togher.

Current Position

The OPW in partnership with Cork City and Cork County Councils have carried out a Catchment Flood Risk Assessment and Management (CFRAM) Study for the Lee Catchment. The Draft Catchment Flood Risk Management Plan was published in February 2010. It did not recommend flood relief measures for the Douglas area. However, Douglas was badly affected by flooding in June 2012. As a result Cork County Council, acting as Agents for the OPW has now commissioned this project to develop a Flood Relief Scheme for Douglas. The proposed scheme will also incorporate the replacement of the existing under capacity culverts on the Tramore River with a new 560m long culvert between Lehenaghmore Industrial Estate and Greenwood Estate as recommended by the Lee CFRAM Study. The Study Areas for the project are outlined in red on the map above.



(Flooding in Douglas June 2012)



What is a Constraints Study?

A Constraints Study identifies the key environmental issues in a study area which may be impacted upon by possible flood alleviation measures and/or which may impose constraints on the design and viability of these measures.

Engineering Study

The Engineering Study will assess a range of engineering measures typically considered for possible flood alleviation schemes including, but not limited to those listed in the box to the right. Typically an Engineering Study of this nature may identify between three and five viable options.

Potential Flood Alleviation Measures

- Do nothing (i.e., implement no new flood alleviation measures)
- Non-Structural Measures (e.g. flood warning system or individual property protection)
- Relocation of properties and/or infrastructure
- Reconstruction of properties and/or infrastructure at a higher level
- Flow Diversion (e.g. river diversion or flood flow bypass channel)
- Flow Reduction (e.g. upstream catchment management or flood storage)
- Flood Containment through Construction of Flood Defences
- Increase Conveyance of Channel (upstream and/or through and/or downstream of the town)
- Sediment Deposition and Possible Sediment Traps
- Pump storm waters from behind flood defences