

Appendix A
Letter issued to consultees and copies of Consultee Responses

A1	List of consultees
A2	Consultation Letter
A3	Mapping Accompanying Consultation Letter
A4	List of Engineering Measures Accompanying Consultation Letter
A5	Responses from Consultees

A1 LIST OF CONSULTEES

An Bord Pleanála	Department of Justice & Equality
An Comhairle Ealaíon (The Arts Council)	Department of the Environment, Community & Local Government
An Óige	Development Applications Unit - DAHG
An Taisce - The National Trust for Ireland	Director of Water Services, Cork County Council
Angling in Ireland - The Irish Federation of Pike Angling Clubs	Divisional Manager, Cork County Council
Archaeology section, Heritage Unit, Cork County Council	Dr. Paddy Sleeman, UCC
Ballincollig Athletic club	Dr. Padraig Whelan, UCC
Ballincollig Heritage	Earthwatch (Friends of the Earth Ireland)
Ballincollig Tidy Towns	East Cork Area Development Ltd (ECAD)
Bat Conservation Ireland	Eircom
Birdwatch Ireland	Electricity Supply Board (ESB)
Blackpool Flood Action Group	ENFO
Blackpool Historical Society	Environment Section - Cork City Council
Blackpool Traders Association	Environmental Protection Agency (EPA)
Bord Fáilte	Environmental Sciences Association of Ireland
Bord Gais Networks	EPA Regional Inspectorate Cork
Bord na Móna	ESB
BSBI recorder	Faite Ireland
CIT Athletic Club	FISSTA - Federation of Irish Salmon & Sea Trout Anglers
Coillte Macroom,	Forest Service (Dept of Agriculture, Fisheries & The Marine)
Coillte Teoranta	Geographical Society of Ireland
Commission for Electricity Regulation	Geological Survey of Ireland
Conor Kelleher	Health & Safety Authority
Cork & District Angling Club - Cork	HSE Southern Regional Health Forum
Cork Business Association	ICMSA
Cork Chamber	IFSA.ie - Irish Federation of Sea Anglers
Cork Chamber of Commerce	Inland Fisheries Ireland, Macroom
Cork City Council	Inniscarra Lake Coarse Angling
Cork City Council	Institute of Geologists of Ireland
Cork City Development Board	Irish Aviation Authority
Cork County Council	Irish Creamery Milk Suppliers Association (ICMSA)

Cork County Council	Irish Farmers Association (Cork Region)
Cork Discover Ireland Centre	Irish Georgian Society
Cork Environment Forum	Irish Heritage Trust
Cork Federation of Gun Clubs	Irish Peatland Conservation Council
Cork GAA	Irish Planning Institute
Cork Harbour Alliance for a Safe Environment (CHASE)	Irish Wildlife Trust
Cork Historical & Archaeological Society	Landscape Alliance Ireland
Cork Operative Society of Masons & Bricklayers Historical Society	Lee Rowing Club
Councillor Aindrias Moynihan - Macroom Electoral Area	Lee Valley Golf And Country Club
Councillor Brian Bermingham	Lee Valley Rowing Club - Inniscarra
Councillor Chris O'Leary,	Lee Valley Walking,
Councillor Daniel Fleming - Blarney Electoral Area	Leevale Athletic Club,
Councillor David Boyle - Carrigaline Electoral Area	Lord Mayor of Cork, Councillor John Buttimer
Councillor Deirdre Forde - Carrigaline Electoral Area	Mardyke Leisure (UCC) Ltd
Councillor Denis O'Flynn	Marine Institute
Councillor Derry Canty - Macroom Electoral Area	Mayor of Cork City, Councillor Catherine Clancy
Councillor Des Cahill	National Association of Regional Game Councils
Councillor Emmet O'Halloran	National Building Agency
Councillor Fiona Kerins	National Federation of Group Water Schemes
Councillor Ger Gibbons	National Monuments Service
Councillor Gerry Kelly - Blarney Electoral Area	National Museum of Ireland
Councillor Henry Cremin	National Parks and Wildlife Service
Councillor Jim Corr,	National Roads Authority
Councillor Joe Kavanagh	National Trails Office
Councillor Joe O'Callaghan	Naval Operations Command
Councillor John A Collins - Carrigaline Electoral Area	Naval Support Command
Councillor John Kelleher	NCFFI - National Coarse Fishing Federation of Ireland
Councillor Kenneth O'Flynn,	Office of Public Works
Councillor Kieran McCarthy	Passage West Town Council
Councillor Laura McGonigle,	Planning Section - Cork City Council
Councillor Lorraine Kingston	Port of Cork
Councillor Martin Coughlan - Macroom Electoral Area	Presentation Brothers College Rowing Club
Councillor Mary Shields,	Railway Procurement Agency

Councillor Michael Ahern	Ballincollig GAA Club
Councillor Michael Creed - Macroom Electoral Area	Rowing Ireland
Councillor Michael Nugent	Royal Town Planning Institute
Councillor Michael O'Connell	Salmon Growers Association
Councillor Mick Barry,	Salmon Research Agency of Ireland
Councillor Mick Finn	Shandon Boat Club, The Marina, Cork
Councillor Noel Costello - Blarney Electoral Area	South West Regional Authority
Councillor Pat Burton - Blarney Electoral Area	South Western Regional Fisheries Board
Councillor Patricia Gosch	Southern River Basin District Office
Councillor Paula Desmond - Carrigaline Electoral Area	Teagasc
Councillor Seamus McGrath - Carrigaline Electoral Area	The Gearagh
Councillor Seán Martin,	The Heritage Council
Councillor Ted Tynan	The Meteorological Service
Councillor Terry Shannon,	The Mining Heritage Trust of Ireland
Councillor Thomas Gould	Tidy Towns Committee
Councillor Tim Brosnan	Tourism Ireland
Councillor Tim Lombard - Carrigaline Electoral Area	Trituris Environmental Services
Councillor Tony Fitzgerald,	UCC Athletic Club
County Manager, Cork County Council	UCC Canoe Club - University College Cork
Department of Agriculture, Food & the Marine	UCC Rowing Club - UCC
Department of Arts, Heritage & the Gaeltacht	Voice of Irish Concern for the Environment
Department of Communications, Energy & Natural Resources	Water Services Section - Cork City
Department of Jobs, Enterprise & Innovation	Waterways Ireland

Noreen Lynch
Blackpool Historical Society
105, Commons Road
Blackpool
Cork

9th July 2013

Our Ref: 121004
Your Ref:

Re: Lower Lee (Cork City) Flood Relief Scheme (Including Blackpool and Ballyvolane)

Dear Ms. Lynch,

Ryan Hanley in association with McCarthy Keville O'Sullivan has been appointed by the Office of Public Works to carry out an Environmental Impact Assessment of the proposed Lower Lee (Cork City) Flood Relief Scheme (including Blackpool and Ballyvolane). This project is a follow on project from the Lee Catchment Risk Assessment and Management Study (CFRAMS), with the area of interest for identification of engineering measures for the Lower Lee extending from Inniscarra Dam downstream to and through Cork City. The first stage of this work is to prepare a Constraints Study in order to identify the key environmental issues in the study area which may be impacted upon by possible flood alleviation measures and/or which may impose constraints on the viability and/or design of these measures.

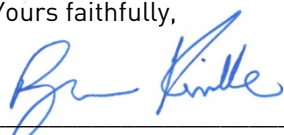
The Study Area for the scheme is shown in red on the enclosed map. In advance of the preparation of a full Engineering Study, it is not possible at this point to say exactly what flood alleviation measures will be proposed as part of the Flood Relief Scheme, however the range of flood measures typically considered are included on the enclosed sheet for your information.

We welcome your comments in relation to the Study Area and particularly in relation to any relevant environmental issues that may be impacted upon by a potential Flood Relief Scheme.

A Public Information Day will be held in the foyer of Cork City Hall on **Wednesday 17th July 2013 from 3pm to 9pm** at which you are invited to give us your comments. Alternatively, please submit your comments in writing to the postal address or email addresses provided below.

A second public consultation will take place later on this year or early in 2014 during the preparation of the Environmental Impact Statement for the scheme, at which stage details of the engineering measures proposed will be available. You will be given a further opportunity to comment at this stage.

Yours faithfully,



Brian Keville B.Sc. (Env.)
McCarthy Keville O'Sullivan Ltd.

Correspondence:

McCarthy Keville O'Sullivan Ltd.
Planning & Environmental Consultants
Block 1, G.F.S.C.
Moneenageisha Road,
Galway

Tel: (091) 735611
Fax: (091) 771279

Brian Keville
Email: bkeville@mccarthykos.ie

Claire Lyons
Email: lyonsca@ryanhanley.ie

STUDY AREA MAP

pNHA
BLARNEY CASTLE WOODS
BLARNEY LAKE

pNHA
BLARNEY BOG

GLENNAMOUGH

BRIDE (north)

GLEN

pNHA
SHOORNAGH VALLEY

CORK

CURRAGHEEN

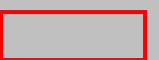
GLASHEEN

pNHA
LEE VALLEY

pNHA
BALLINCOLLIG CAVE

LEGEND:

Study Area
(For which flood alleviation measures are to be identified)



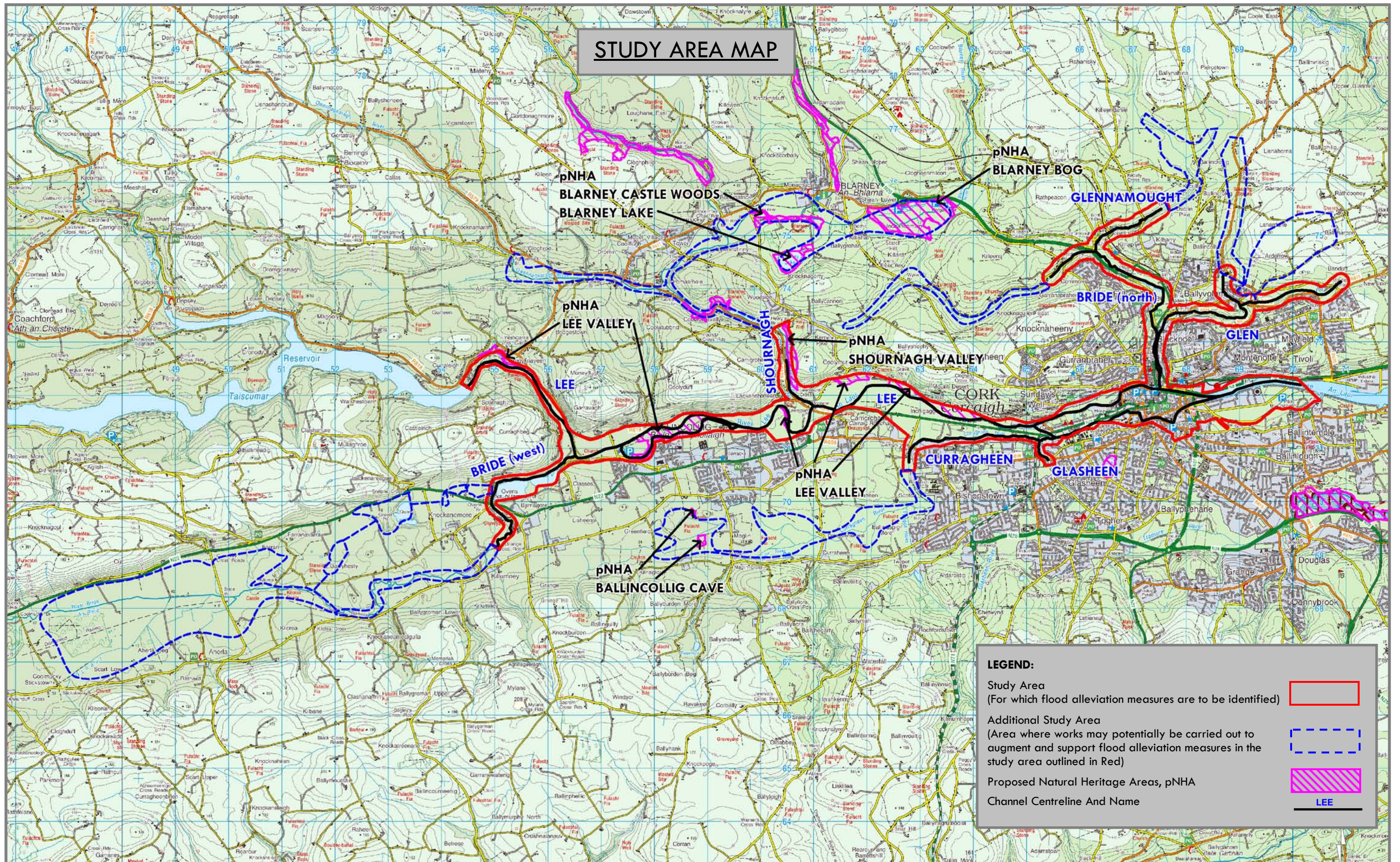
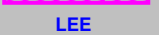
Additional Study Area
(Area where works may potentially be carried out to augment and support flood alleviation measures in the study area outlined in Red)



Proposed Natural Heritage Areas, pNHA



Channel Centreline And Name



Lower Lee (Cork City) Flood Relief Scheme
(Including Blackpool and Ballyvolane)

Possible Engineering Measures (non-exhaustive list)
being considered for Flood Relief Scheme:

- a) Do Nothing (i.e., implement no new flood alleviation measures)
- b) Do Minimum
 - i. Reduce existing activities
 - ii. Proactive maintenance
- c) Non-structural measures / minor & localised modifications
 - i. Installation of a flood forecasting & warning system
 - ii. Targeted public awareness and education campaign
 - iii. Individual property protection / flood proofing
- d) Relocation of Properties and/or infrastructure
- e) Reconstruction of Properties and/or infrastructure at a higher level
- f) Flow Diversion
 - i. Diversion of entire river
 - ii. Flood flow bypass channel
 - iii. Flood relief channel
- g) Flow Reduction
 - i. Catchment management (i.e. reduce runoff)
 - ii. Flood storage reservoirs (single site or multiple sites)
 - iii. Use of overland floodways (e.g. allowing flooding of roads in a controlled manner)
- h) Flood containment through rehabilitation, improvement of existing flood defences
- i) Flood containment through construction of new flood defences
 - i. Walls or embankments
 - ii. Demountable defences
- j) Managed realignment
- k) Increase Conveyance
 - i. Change the channel section and / or grade
 - ii. Change the floodplain section and / or grade
 - iii. Remove or reduce local key constraints, e.g. bridges, bends, throttles, infill material on a floodplain, etc.
 - iv. Reduce the roughness of the channel / floodplain (removal of vegetation, lining, etc.)
 - v. Specify ongoing channel / floodplain maintenance
- l) Sediment Management
- m) Tidal barrier
- n) Pump storm waters from behind flood defences
- o) Measures Specific to the Study Location
- p) Works to facilitate an improved operating regime for Carrigadrohid and Inniscarra dams for the purposes of flood risk management



Oifig an Aire Post, Fiontar agus Nuálaíochta
Office of the Minister for Jobs, Enterprise and Innovation

Our Ref: 131009/MIN

Your Ref: 121004

11 July, 2013

Mr Brian Keville B.Sc. (Env.)
McCarthy Keville O'Sullivan Ltd
Planning & Environmental Consultants
Block 1, G.F.S.C.
Moneenageisha Road
Galway City

Dear Mr Keville,

I wish to acknowledge receipt of your recent letter to the Minister for Jobs, Enterprise and Innovation, Mr Richard Bruton T.D., regarding the Lower Lee (Cork City) Flood Relief Scheme.

I will bring your correspondence to the Minister's attention at the earliest opportunity.

Yours sincerely,

Nolan Kelly (Minister's Office)
JOHN MAHER
PRIVATE SECRETARY



GE/2013/114

Brian Keville

McCarthy Keville O'Sullivan Ltd

Block 1, G.F.S.C.

Moneenageisha Road

Galway

Re: Lower Lee Flood Relief Scheme

Dear Brian,

I am answering your consultation (Ref 121004) on behalf of the National Museum of Ireland, Natural History Division only. We have no specific concerns relating to the area shown on the map other than that wherever possible **any works should avoid impacting on the known caves in the area**. These include Ballincollig and Ovens and Blarney Castle Cave.

As I am also Librarian for the Speleological Union of Ireland, I have that resource which can be consulted if further data is required.

It should be stipulated in the permissions for whatever works do eventually take place that any caves newly exposed by excavation or engineering works are reported and investigated. Caves can be a valuable repository of natural history information as animal bones, organic or glacial sediments, cave geomorphology, groundwater hydrogeology etc. Opportunities to record and collect may be lost if finds are not promptly reported. I can advise on a network of colleagues with appropriate skills in this event.

Your letter was also sent to the Mining Heritage Trust of Ireland. As a Director, I am responding to say we have no specific concerns since there are no known historical mines within the study area.

I expect you have already consulted Dr Sarah Gatley in the Geological Survey of Ireland about potential geological heritage sites within the study area. If you have not done so, I would strongly advise for it.

Matthew A. Parkes.

Matthew Parkes

Natural History Museum



Brian Keville

From: Eoin McDonnell [Eoin.McDonnell@failteireland.ie]
Sent: 23 July 2013 14:58
To: Brian Keville
Subject: Lower Lee (Cork City) Flood Relief Scheme
Attachments: EIS and Tourism Guidelines 2011.doc; ATT01009.txt; ATT01010.htm

Dear Mr Keville,

I wish to acknowledge receipt of your recent letter to Fáilte Ireland in relation to the Lower Lee (Cork City) Flood Relief Scheme.

I attach a copy of Fáilte Ireland Guidelines for the treatment of tourism in an EIS, which we recommend should be taken into account in preparing the study.

Yours sincerely,

Eoin McDonnell

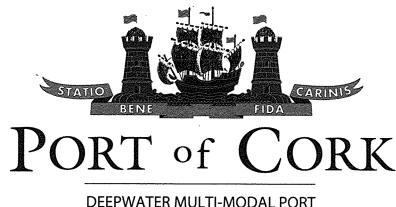
Projects Officer | Fáilte Ireland | Áras Fáilte | 88-95 Amiens Street | Dublin 1 | Ireland

T: +353 (01) 884 7203 | M: 086 825 4413

W: www.failteireland.ie



The Gathering 2013 - be part of it



Brian Keville B.Sc. (Env)
McCarthy Keville O'Sullivan Ltd.
Planning & Environmental Consultants
Block 1, G.F.S.C,
Moneenageisha Road,
Galway

23rd July 2013

Re: Lower Lee (Cork City) Flood Relief Scheme (Including Blackpool and Ballyvolane)

Dear Mr. Keville,

I refer to your letter of the 9th July 2013.

Unfortunately I was in Dublin on business on Wednesday 17th July and was thus unable to attend the Public Information Day in City Hall.

The Port of Cork Company actively participated in many workshops and consultations during the preparation of the earlier phase of the CFRAMS and participated in the launch of the draft study. We understand that CFRAMS – as you allude to in your letter – has been revamped and that the mapping from Inniscarra dam right through Cork City to the mouth of the Harbour for the various scenarios has been updated and is now available to you.

In order to inform our better understanding and to enable us to make a more comprehensive input to the process currently underway, we request that the updated study and relevant mapping be made available to key Stakeholders including the Port of Cork Company.

We would like to point out that the map attached to your letter is not current particularly in relation to the extent and labelling of the National Road Network to the south of the City. This may be relevant in the context of the pNHA shown south of Ballintemple and the Additional Study Area identified west of Curraheen.

In relation to particular port issues we note that the eastern River Lee limit of the study area is just upstream of the company's industrial and port facility at Tivoli.

The earlier CFRAMS took account, in an integrated manner, of the totality of port operations including City Quays, Tivoli and other facilities in the Lower Harbour – at Cobh, Marino Point and Ringaskiddy where, in particular, extensive port expansion is envisaged.

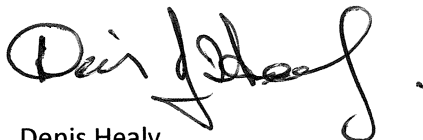
In relation to the section of River Lee forming part of this study and in the context of the list of possible engineering works listed in the attachment to your letter we would like to highlight the following:

1. Dredging/ Sediment management ; The Port maintains the berths and channels to advertised depths and widths in accordance with a Dredging and Dumping permit issued by the EPA,
2. The adjacent quays are generally operational as berths for vessels and for the receipt and handling of cargo,
3. The quays and other port infrastructure have been designed for the activities taking place on them and are limited in terms of loadings, height, future design life etc. Any channel and berth deepening proposals, listed as a possibility on your list, may therefore be problematic and any barriers – either temporary or permanent- would need to have regard to ongoing port operations and cargo handling activities,
4. In the earlier CFRAMS and, under certain worst-case scenarios, tidal barriers were potentially envisaged at Monkstown and Marlogue. We would be interested to learn if this scenario is still actively under consideration and if any changes to these potential solutions have been proposed.

We look forward to the receipt of the requested information and to further engagement on this urgently needed and long awaited project.

Yours Sincerely,

Kind regards,

A handwritten signature in black ink, appearing to read 'Denis Healy', with a stylized flourish at the end.

Denis Healy
Manager Engineering Services

23rd July, 2013

Mr. Brian Keville
McCarthy Keville O'Sullivan Ltd
Block 1, G.F.S.C
Moneenageisha Road
Galway
Your Ref: 121004

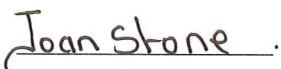
Re: Lower Lee (Cork City) Flood Relief Scheme (Including Blackpool & Ballyvolane)

Dear Mr. Keville,

I refer to your recent correspondence concerning the above.

The Department of Agriculture, Food and the Marine has no relevant information to offer that would be of assistance in the preparation of the Constraints Study. I would however suggest that your firm consider the likely impacts, if any, of the proposed scheme on the environment and agricultural sector in the locality as part of the Environmental Impact Assessment.

Yours sincerely,


PP Noel O'Connor
Climate Change Section

McCarthy KOS
Received on
24 JUL 2013

**south
western**
river basin district

www.swrbd.ie



South Western River Basin District
Cork County Council
Inniscarra
Co. Cork
Ireland

Phone: 021 4532700
Fergal.osullivan@corkcoco.ie

Brian Keville
McCarthy Keville O' Sullivan Ltd.
Planning & Environmental
Consultants.
Block 1, G.F.S.C.
Moneenageisha Road,
Galway.

22nd July 2013

Reference: Lower Lee (Cork City) Flood Relief Scheme (including Blackpool and Ballyvolane)

Your Ref: 121004

Dear Mr. Keville,

Thank you, for your letter dated 9th July 2013.

The South Western River Basin District (SWRBD) management plan was adopted by all Local Authorities in the SWRBD prior to the 30th April 2010, as stipulated in the European Communities (Water Policy) Regulations 2003 (S.I. 722 of 2003 as amended). The SWRBD plan came into effect on the 15th July 2010.

The South Western River Basin Management Plan (2009-2015) objectives should be considered and integrated as appropriate with the Lower Lee (Cork City) Flood Relief Scheme (including Blackpool and Ballyvolane) (See Section 6 of the SWRBD Plan). The Scheme should comply with the Water Framework Directive.

The main objectives of the **Water Framework Directive** are:

- Prevent deterioration and maintain high status where it already exists
- Protect, enhance and restore all waters with aim to achieve at least good status by 2015
- Ensure waters in protected areas meet requirements
- Progressively reduce chemical pollution

The SWRBD Management plan is available on the website www.wfdireland.ie with all the background documents. (Composite SWRBD Management plan version is available on www.swrbd.ie – this includes Ministerial amendments)



The following sections of the SWRBD plan should be noted:

- Section 4.2.3 of the SWRBD plan refers to **New modifications or sustainable development** and this should be taken into consideration in your development of the proposed Lower Lee (Cork City) Flood Relief Scheme (including Blackpool and Ballyvolane).
- Section 6.1.1 – **Land use planning** - Any potential impacts from future development on waters can be mitigated by properly incorporating the objectives established in this (SWRBD) plan into development plans to ensure sustainable development.
- Please refer to the EPA Website for the latest updated Status in order to establish the water body status.

If you require further information, please don't hesitate to contact me.

Yours Sincerely



Fergal O' Sullivan,
SWRBD Executive Engineer,
cc: File

Mr. Brian Keville,

McCarthy Keville O'Sullivan Ltd.,

Planning & Environmental Consultants,

Block 1, G.F.S.C.,

Moneenageisha Road,

Galway.

Teach Naomh Máirtín / Bóthar Waterloo / Baile Átha Cliath 4
St. Martin's House / Waterloo Road / Dublin 4
Tel: / Tel: + 353 1 660 2511 Facs: / Fax: + 353 1 668 0009

Dáta | Date

Ár dTag. | Our Ref.

Bhur dTag. | Your Ref.

19 July 2013

NRA 13-88210

121004

Re: Lower Lee (Cork City) Flood Relief Scheme (incl. Blackpool and Ballyvolane)

Dear Mr. Keville,

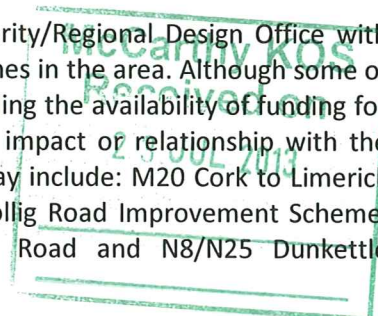
The Authority acknowledges receipt of your correspondence of 9 July, 2013. The Authority endeavours to consider and respond to planning applications and other requests referred to it given its status and duties as a statutory consultee under the Planning Acts. The approach to be adopted by the Authority in making such submissions or comments will seek to uphold official policy and guidelines as outlined in the DoECLG Spatial Planning and National Roads Guidelines for Planning Authorities (2012). Regard should also be had to NRA guidance and other relevant circulars, which are available at www.nra.ie.

The issuing of this correspondence is provided as best practice guidance only and does not prejudice the NRA's statutory right to make any observations, requests for further information, objections or appeals following the examination of any valid planning application referred.

With respect to the Lower Lee Flood Relief Scheme, the recommendations indicated below provide only general guidance in relation to matters which may affect the National Roads Network and may form part of your scoping.

The developer should have regard, *inter alia*, to the following;

- Consultations should be had with the relevant Local Authority/Regional Design Office with regard to locations of existing and future national road schemes in the area. Although some of the national road schemes may currently be suspended pending the availability of funding for further progress, it is considered good practice to address impact or relationship with the relevant national road schemes in EIA. Relevant Schemes may include: M20 Cork to Limerick (Southern Section), N22 Ballyvourney – Macroom – Ballincollig Road Improvement Scheme, N28 Ringaskiddy/Cork, N22/N20/N8 Cork Northern Ring Road and N8/N25 Dunkettle Interchange.



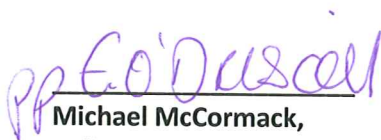
- The developer should assess impacts on existing national roads. The Authority would be specifically concerned as to potential significant impacts development would have on any national roads in the vicinity of proposed works; N20, N22, N40 and potentially, national roads in the urban area, N25, N27, N28 and N71.
- The developer should have regard to any Environmental Impact Statement and all conditions and/or modifications imposed by An Bord Pleanála regarding road schemes in the area. The developer should in particular have regard to any potential cumulative impacts,
- The developer, in conducting Environmental Impact Assessment, should have regard to the NRA DMRB and the NRA Manual of Contract Documents for Road Works,
- The developer, in conducting Environmental Impact Assessment, should have regard to the NRA's Environmental Assessment and Construction Guidelines, including the *Guidelines for the Treatment of Air Quality During the Planning and Construction of National Road Schemes* (National Roads Authority, 2006),
- The EIS should consider the Environmental Noise Regulations 2006 (SI 140 of 2006) and, in particular, how the development will affect future action plans by the relevant competent authority. The developer may need to consider the incorporation of noise barriers to reduce noise impacts (see *Guidelines for the Treatment of Noise and Vibration in National Road Schemes* (1st Rev., National Roads Authority, 2004)),
- It would be important that, where appropriate, subject to meeting the appropriate thresholds and criteria, a Traffic and Transport Assessment be carried out in accordance with relevant guidelines and best practice, noting traffic volumes attending the site and traffic routes to/from the site with reference to impacts on the national road network and junctions of lower category roads with national roads. The Authority's Traffic and Transport Assessment Guidelines (2007) should be referred to in this regard. Please also have regard to Section 2.2 of the Guidelines which address circumstances where sub-threshold TTA may be required.
- The designers are asked to consult the National Roads Authority's DMRB *Road Safety Audit* (NRA HD 19/12) to determine whether a Road Safety Audit is required,
- In the interests of maintaining the safety and standard of the national road network, the EIS should identify the methods/techniques proposed for any works traversing/in proximity to the national road network, in particular any works that might affect existing structures on the national road network; early consultation with the NRA is recommended.

(Developers may wish to consult the local planning authority, road authority/County Council or National Road Regional Design Office for the area for assistance on the foregoing matters).

Notwithstanding, any of the above, the developer should be aware that this list is non-exhaustive, thus site and development specific issues should be addressed in accordance with best practise.

I hope that the above comments are of use in your scoping process.

Yours sincerely,


Michael McCormack,
Policy Advisor (Planning)

From: Twomey, Mark [Mark.Twomey@agriculture.gov.ie]
Sent: 15 July 2013 12:08
To: Brian Keville
Cc: Redmond, JohnJ (Forest Service)
Subject: Re: Lower Lee (Cork City) Flood Relief Scheme

Dear Brian,

Thank you for your letter which I received last Friday, please note my change of address below. I will comment towards the year end on the scheme when preparation of the EIS begins, as the detailed engineering measures will be available then. A detailed map of Forests within the study area and detailed study area in GIS format may be of assistance in carrying out the Constraints Study. Please contact Frank Barrett at Frank.Barrett@agriculture.gov.ie should you wish to request a copy.

Regards,

Mark Twomey
Forest Service,
Dept. Of Agriculture, Fisheries and the Marine,
Clogheen, Clonakilty, Co.Cork.
023 8836222

Department of Agriculture, Food and the Marine

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An Roinn Talmhaíochta, Bia agus Mara

Tá an t-eolais san ríomhphost seo, agus in aon ceanglaín leis, faoi phribhléid agus faoi rún agus le h-agmaigh an seolaí amháin. D'fhéadfadh ábhar an seoladh seo bheith faoi phribhléid profisiúnta nó dlíthiúil. Mura tusa an seolaí a bhí beartaithe leis an ríomhphost seo a fháil, tá cosc air, nó aon chuid de, a úsáid, a chóipeál, nó a scaoileadh. Má tháinig sé chugat de bharr dearmad, téigh i dteagmháil leis an seoltóir agus scríos an t-ábhar ó do ríomhaire le do thoil.

The Department is supporting The Gathering Ireland 2013. Go to www.thegatheringireland.com and Be Part of it!
Tá an Roinn ag tacú le The Gathering Ireland 2013. Téigh chuig www.thegatheringireland.com agus Bí Mar Chuid De!

From: aindriasmoynihanccc@eircom.net
Sent: 25 July 2013 17:50
To: Brian Keville
Subject: Lower Lee Flood Relief Scheme

Dear Brian,

following up with you on your letter and map outlining the Lower Lee Flood Relief Scheme Ryan-Hanley are examining for the OPW. There is one flood area in Currahen that you should seriously be considering. It was identified on the OPW's flood maps website and is imidiatly adjacent to the Additional Study Area you have identified along the Curraheen river. Just south of the Additional Study Area the river flows north from Balinora and in Curraheen by the grotto it has 2 right angle bends and goes under the road. The OPW have flood records at this point with the flood going into a number of houses east and west of the bridge. This flood point is imidiatly adjacent to your study area and should be considered as part of your work.

Locals are very concerned about flooding at this point and have been in contact with the OPW about doing work. I would be pleased if you would give this area favourable consideration as part of your study and if you would let me know the outcome.

Cllr Aindrias Moynihán

Mr Brian Keville
McCarthy Keville O'Sullivan Ltd
Block 1, G.F.S.C.
Moneenageisha Road
Galway.

1 August 2013

RE: Lower Lee (Cork City Flood Relief Scheme)- Constraints Study.

Dear Mr Keville,

I refer to your letter dated 9th July regarding the above-mentioned.

The study area encompasses many salmon and brown trout spawning, nursery and angling waters including the Rivers Lee, Bride, Shournagh, Martin, Blarney and Curragheen. In addition to salmonids, lamprey and eels have been recorded within the constraints study area.

While IFI are fully aware of, and sensitive to, the hardship caused by flooding events any proposed flood alleviation measures must be sustainable and in keeping with the requirements of the Fisheries Acts, Habitats Directive and Water Framework Directive.

In this context IFI feels that the current assessment of flooding events must be a catchment wide process assessing the impact of changes in drainage, development and land use patterns and practices on the response of flows in rivers to rainfall events involved to rainfall events. Likewise potential solutions should consider the catchment in its entirety and not focus solely on the relatively small area set out in the constraints study. Each solution or series of solutions proposed should be considered not alone in financial terms but also in the context of long term sustainability and durability in combination with flood control effectiveness.

More specifically considering the significance of the rivers involved terms of fisheries, the EIS associated with any proposed flood alleviation measures needs to address the following

Assessment of Existing Conditions

The following data is necessary, both within the study area and to the limits of the zone of influence of any proposed works, to assess existing conditions:-

- a) Mapping of the range, location and extent of each aquatic habitat type e.g. pools, nursery and spawning areas.
- b) Redd counting in the proposed study area and upstream to the limits of the zone of influence of any proposed works be carried out over at least the next 2 years.

- c) Mapping of both the extent and nature of bankside vegetation, highlighting in particular all areas subject to river bank erosion at present.
- d) A complete stock survey of all fish species.
- e) Characterization and quantification of each habitat area, identified in (a), based on its macro invertebrate population.
- f) Detailed assessment and characterization of all potentially impacted channels in terms of their surface and sub-surface sedimentology.

Impact Assessment:

The following requirements apply from a fisheries perspective in relation to impact assessment of any proposed works:-

- a) Quantification of habitat losses and the impact on both flora and fauna.
- b) Impact of any proposed works on fish stock densities for each species.
- c) Changes in flow dynamics, the consequent impact on fish migrations and the loss of opportunity for fish movement.
- d) Compatibility of any proposed measures with existing legislative requirements.

I would ask that you keep IFI updated as the study progresses. Should you require any clarification please do not hesitate to contact me.

Yours sincerely,

Michael McPartland
Environmental Officer

Comhairle Cathrach Chorcaí Cork City Council



Fón/Tel: 021-4924000
Faics/Fax: 021-4314238
Líonra/Web: www.corkcity.ie Ref

CITY HALL
CORK

Mr. Brian Keville,
McCarthy Keville O'Sullivan Ltd.,
Planning & Environmental Consultants,
Block 1, G.F.S.C.,
Moneenageisha Road,
Galway.

6th August 2013

Re: Lower Lee (Cork City) Flood Relief Scheme (including Blackpool and Ballyvolane)

Dear Mr. Keville,

I wish to acknowledge receipt of your letter dated 9th July 2013 regarding the above. Please ensure that the material assets of Cork City are included in the preparation of the Environmental Impact Statement for the Lower Lee Flood Relief Scheme.

Yours sincerely,

Tony Brauders,
A/Director of Services,
Strategic Planning & Economic Development.





**An Roinn
Ealaíon, Oidhreacht agus Gaeltachta**
**Department of
Arts, Heritage and the Gaeltacht**

Our Ref: **G Pre00247/2013**

06 September 2013

Brian Keville
McCarthy Keville O'Sullivan
Block 1, G.F.S.C., Moneenageisha Road
Galway.

Re: Brian Keville on behalf of the OPW in relation to a proposed flood relief scheme along the Lower Lee valley, Co. Cork.

A Chara,

On behalf of the Department of Arts, Heritage and the Gaeltacht, I refer to the above-proposed development. Outlined below are the observations and recommendations of the Department in relation to archaeology.

Further to your recent submission of Scoping Documents in advance of the preparation of an EIA for the above proposed project, the Department of Arts, Heritage and the Gaeltacht recommends that a detailed archaeological assessment is carried out as part of the Cultural Heritage element of the EIA requirements. The Department awaits the results of the archaeological assessment before commenting further.

The acknowledgement to this letter, any further information and/or the planning authority's decision should ideally be sent to manager.dau@ahg.gov.ie; if this is not possible, correspondence may alternatively be sent to:

The Manager
Development Applications Unit
Department of Arts, Heritage and the Gaeltacht
Newtown Road, Wexford

Finally, the above observations and recommendations are based on the papers submitted to this Department on a pre-planning basis and are made without prejudice to any observations the Minister may make in the context of any consultation arising on foot of any development application referred to the Minister, by the planning authority, in his role as statutory consultee under the Planning and Development Act 2000, as amended.

Is mise, le meas

Patricia O'Leary
Development Applications Unit
Tel: (053) 911 7482
e manager.dau@ahg.gov.ie

From: Ann Egan [annegan23@gmail.com]
Sent: 23 September 2013 20:36
To: Brian Keville
Subject: Lower Lee flood relief scheme

Dear Mr Keville

Lower Lee flood relief scheme

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Your correspondence sent to Cork Historical & Archaeological Society in connection with the above was considered at a meeting of council last week

We do not have any issues at this time

Thank you

Ann Egan
Hon Secretary
Cork Historical & Archaeological Society

Appendix B

Maps for Cork City from Cork City Development Plan 2009-2015

B1

Map of Zoning Areas for Cork City

B2

Map of Zoning Areas for Ballincollig

Map I - City Centre & Docklands Zoning Objectives

