

1



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## An overflow of Water on Land that is usually Dry



## Addressing Flooding

- Future Development Planning
- Flood Defences



## Future Planning

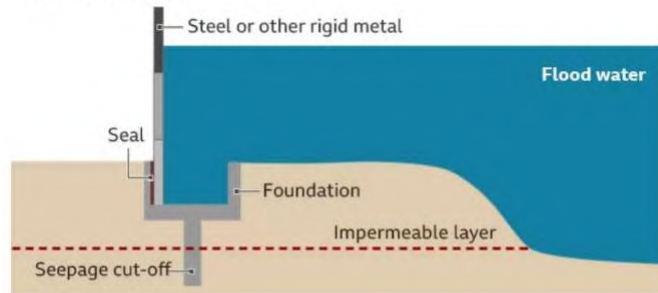


## Flood Maps NI



# Temporary Flood Defences

Sectional barrier



Frame barrier



# Permanent Flood Defences

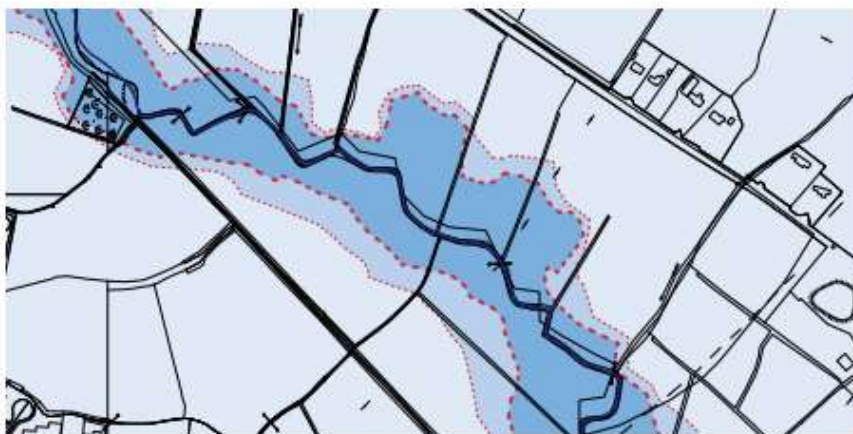


## Floodplains

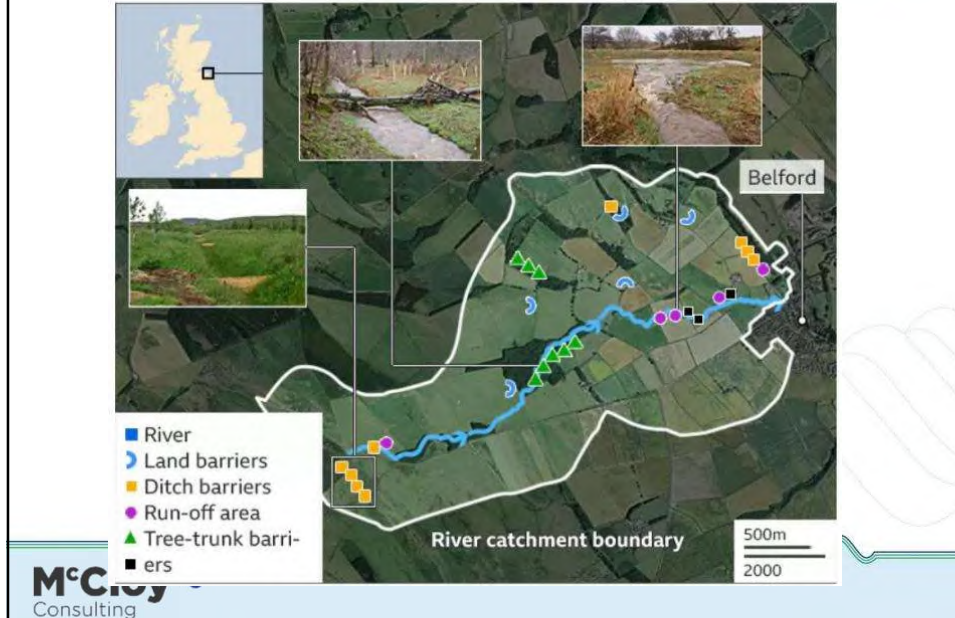


- Floodplains hold excess water until it can be released slowly back into the system
- Valuable function in attenuation and conveying water in a relatively safe way
- “Leaving Space for Water”

## Floodplains / Flood Zones



# Natural Flood Management



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# Inishowen Flood

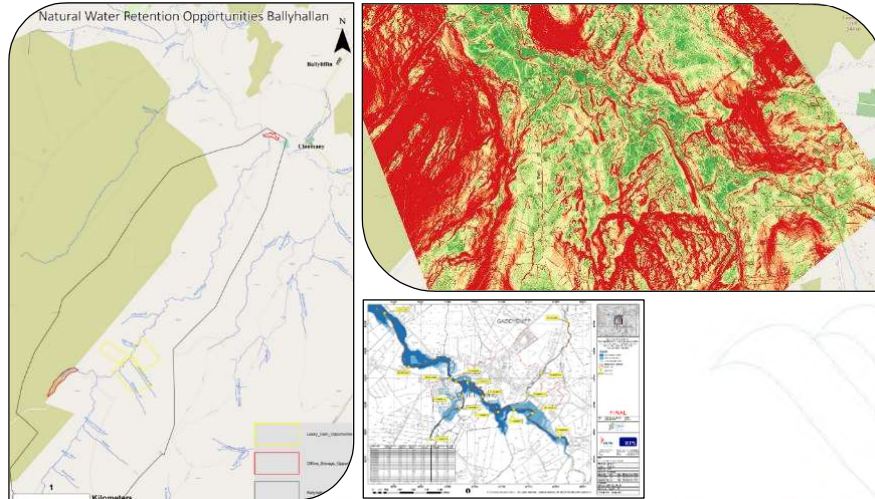
22 August 2017



22 August 2017

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# Establishing NFM Site Locations



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# Community Engagement



**ON THE GROUND  
NATURAL FLOOD  
MANAGEMENT  
INISHOWEN**

- 200 local individuals
- 30 land owners



**The Rivers of Clonmany**  
It's the result of an open and honest conversation, the way out on the edge of the riverbank, a place of meeting, a place of listening.

**ON THE GROUND NATURAL FLOOD MANAGEMENT INISHOWEN**

**Get Involved**  
The Inishowen Rivers Trust has recently secured funding of €750,000 for a series of natural flood management (NFM) projects in Clonmany. NFM is a series of measures designed to slow down floodwaters, reduce their energy and prevent them from causing damage to property and infrastructure. It's a way of working with nature to manage flood risk.

**Get in Touch**  
For more information on the plan or to get involved, contact the Inishowen Rivers Trust. Email: [info@inishowenrivers.com](mailto:info@inishowenrivers.com) Tel: 085 832 2278

**LEAKY DAMS**  
GET INVOLVED IN THE CLONMANY FLOOD PROJECT AND VISIT A LEAKY DAM

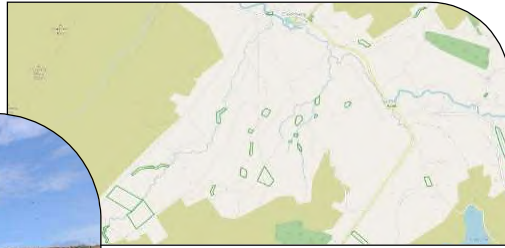
**Meet the Flood Team**  
An open conversation with flood consultant and independent fellow community members. Join the Flood Team for an open conversation with flood consultant and independent fellow community members. Join the Flood Team for an open conversation with flood consultant and independent fellow community members.

**Open meeting on APRIL 26th @ 7.30pm - 8.30pm**



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## Site Visits



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## Shortlisted Sites



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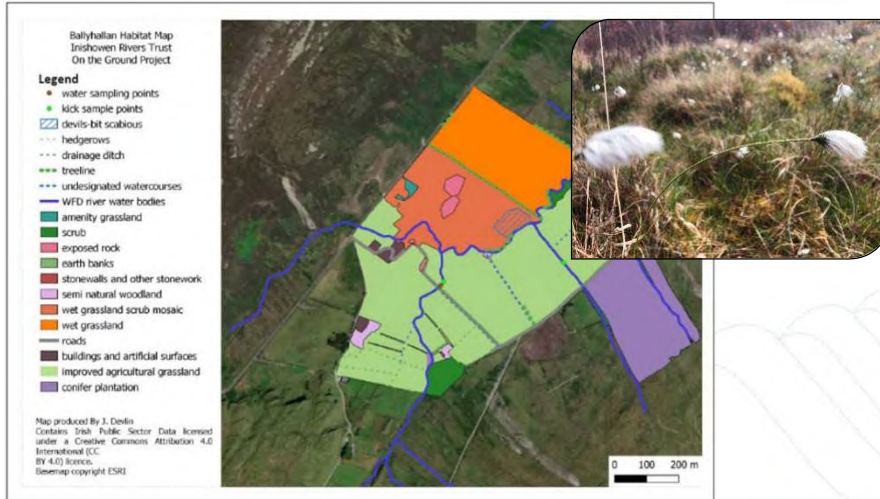
# Design Methodology



# Dam Types



# Ecology Survey



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# Construction of LWDs



- 52 Log leaky dams
- 7 Natural log dams
- 6 Boarded dams



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## Life Span & Maintenance



| Inishowen Rivers Trust    |  |
|---------------------------|--|
| Site Name                 |  |
| Location                  |  |
| Inspected By              |  |
| Date of Inspection        |  |
| Site Profile              |  |
| Structure                 |  |
| Structure Type            |  |
| Structure Length          |  |
| Structure Width           |  |
| Structure Height          |  |
| Structure Material        |  |
| Structure Condition       |  |
| Structure Age             |  |
| Structure Status          |  |
| Structure Notes           |  |
| Structure Photos          |  |
| Structure Drawings        |  |
| Structure Plans           |  |
| Structure Details         |  |
| Structure Specifications  |  |
| Structure Standards       |  |
| Structure Regulations     |  |
| Structure Codes           |  |
| Structure Guidelines      |  |
| Structure Best Practices  |  |
| Structure Recommendations |  |
| Structure Action Items    |  |
| Structure Follow-up       |  |
| Structure Review          |  |
| Structure Approval        |  |
| Structure Sign-off        |  |

- 5-10 Year Life span
- Annual Inspection
- Post storm inspection



## Lessons Learned

