



Connecting Communities,
Valuing Our Waters & Wildlife

River Restoration Glennagannon River, Inishowen

By Trish Murphy

A presentation to the Border Regional WFD Operational Committee

14 January 2021

About the IRT

- Inishowen Peninsula
- Journey began in October 2013
- Established first board in Oct 2015
- Established as a CLG in August 2016
- Became a charity in March 2018
- Nine directors on board
- One staff member since July 2020



Funded & Supported by





An evening of discussion on flooding and the use of Natural Flood Management techniques
 Hosted by Eco Eye presenter and ecologist ANJA MURRAY

Slow the Flow

MANAGING FLOOD WATERS NATURALLY

DATE: Monday February 19th 2018 6pm-9pm
VENUE: The Aras, Carndonagh Community School, Inishowen

Presentations by each of the panellists followed by an open floor discussion

- Dan Turner Yorkshire Dales Rivers Trust
- Dr. Mary Bourke Trinity
- Conor Galvin OPW
- Gerry McCafferty & Associates

www.inishowenriverstrust.com
 Email: inishowen@inishowenriverstrust.com
 #slowtheflow
<https://inishowenriverstrust.com>

Find us on Facebook



Inishowen Rivers Trust | Waters & Communities | Ballinderry Rivers Trust

Restoring Rivers

Flood management and eco-hydromorphology

Colgan Hall, Carndonagh, Inishowen, Co. Donegal
 Saturday 29th September 2018 @ 11am-1pm

A practical look at how natural water retention measures can be used to alleviate flooding

A presentation by **Dr. Barry Walls**
 Consultant Engineer & Environmental Planner
 followed by an open discussion

Ballinderry Rivers Trust will demonstrate 'River in a Box' model - experiment with flow rates, erosion and more!
 A light lunch will be provided after the event.
 This event is free and open to all.

For more info:
 Visit FB/InishowenRiversTrust or www.inishowenriverstrust.com
 Email: inishowenriverstrust@gmail.com
 Call: 087 647 8183

Kindly supported by the Waters & Communities Office Community Water Development Fund 2018



Clean Ups, Shows,
 Tree Planting, Monitoring, Training

Engaging Volunteers

- Enjoyment & Passion
- Education & awareness
- Occupational experience
- Health & well being



*Create opportunities
to engage*



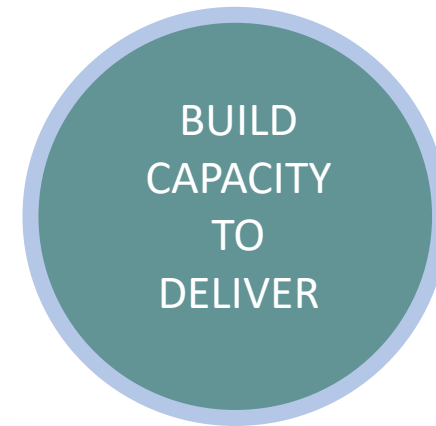
Inishowen River Guardians



Volunteers who help restore and protect the natural waterbodies of Inishowen



Specialised training



Expanding the Programme

RETHINK
IRELAND

INNOVATE TOGETHER FUND
AWARDEE 2020

PROUDLY SUPPORTED BY



Rialtas na hÉireann
Government of Ireland

ciste na
gcuntas díomhaoin
the dormant
accounts fund



Grant award €59,471



Dec 2020 – Aug 2021

Inishowen River Guardians

- Mapping (Survey 123)
- Riverfly monitoring
- SSCS
- Electrofishing
- Bank Erosion Control
- Hydromorphology
- Chainsaw Use
- Invasive Species Control
- Leave No Trace / Mountain Skills



Glennagannon River Restoration

- Delivering a **river restoration** project using natural materials to build revetments, improve resilience to flooding
- Practical experience utilising skills gained in training
- Had previous experience with Wild Trout Trust on Culdaff River
- Application to LAWPRO for funding of €10,000



Project Plan

- Repair 4 sections of riverbank to prevent further erosion
- Install baffles on bridge apron to improve fish passage
- Install fencing to exclude livestock
- Plant trees to provide bank structure and increase infiltration
- Install pasture pumps for livestock







September - October 2020



Glennagannon River

Installing Baffles



Increased depth over apron
from average 5cm to 20cm in
average flow







Outcomes

- 5x Brash collection events
- 7 days work - 13 volunteers, 2 contractors
- 78m bank revetment
- 120m fencing (total 150m bank protected)
- 30 trees & 200 bulbs
- 2x pasture pumps
- baffles for fish passage



- Traps sediment
- Reducing instream sedimentation
- Reprofilng bank
- Reducing energy and creating gravel bars that are protecting the banks
- Providing habitat for fish & invertebrates

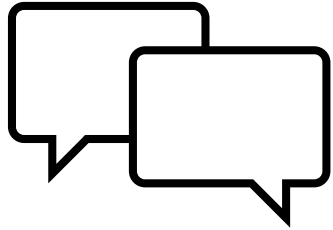
Benefits of Engaging Community

- Increasing resilience to climate change (reducing anxiety)
- Improves communication
- Creates conversation
- Helps identify the right solutions
- Increases knowledge & acceptance
- Increases ownership

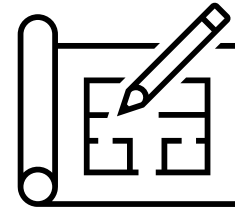


Long term benefits for success

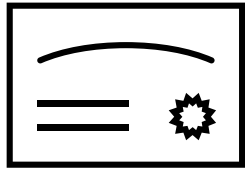
Engaging Volunteers



Conversations
& Communication



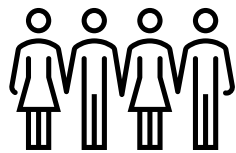
Co-design & co-production



Certification / Skills
development



Supportive - deliver
more effective
projects



Develop
Partnerships

Make it social



Summary

- Successful collaboration between range of stakeholders
- Support of LAWPRO has been pivotal
- Importance of training and supporting volunteers to increase their capacity
- Importance of supporting river organisations to reduce administrative burden and increase output



Thank You | Go raibh maith agaibh

guardianship
clean waters
donegal **rivers**
restoration **community**
conservation
training