

Experiences of a Rivers Trust

By Trish Murphy

A presentation by to the
Citizens' Assembly on Biodiversity Loss

05 Nov 2022



Connecting Communities,
Valuing Our Waters & Wildlife

Tackling the Issues using Nature Based Solutions

Flooding | Sedimentation | Run off | Invasive species | Modifications

- Natural flood management – soft engineering measures to slow the flow
- Bank erosion control – repairing banks and restoring normal function
- In-stream Barrier mitigation – reducing the impact of barriers
- Invasive alien species – organic control and community awareness
- Riparian buffers zones – reducing agricultural impacts on water quality
- Enhance Biodiversity – creating natural corridors, tree planting, action plans, awareness

Community knowledge + scientific knowledge



Riparian Buffer Zones

Lack of vegetation on Inishowen rivers.
Run a tree planting programme each spring.

Install buffer zones on river banks to:

- Improve water quality
- Reduce erosion
- Increase biodiversity
- Improve flood resilience

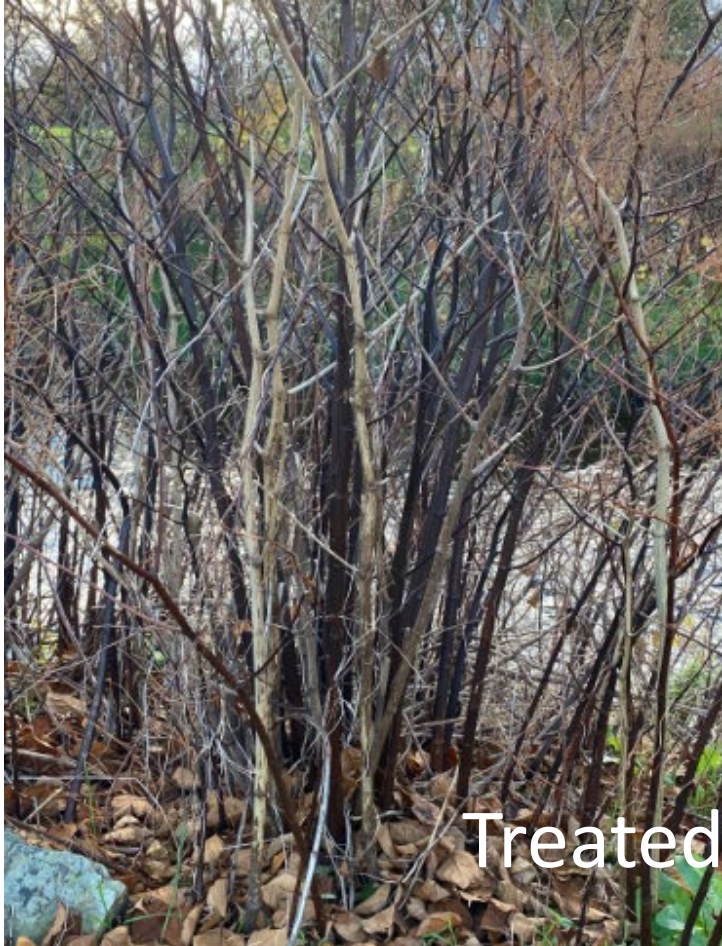
Working with local farmers, agricultural advisors, statutory agencies, volunteers



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine



INVASIVE ALIEN SPECIES



Treated sites 2021



Untreated

Using a specially formulated microbially activated compost to treat Japanese knotweed. Trial experiment with Donegal CoCo using funding from Public Service Innovation Fund.



An Roinn Caiteachais
Phoiblí agus Athchóirithe
Department of Public
Expenditure and Reform



Comhairle Contae
Dhún na nGall
Donegal County Council



OPW

Oifig na
nOibreacha Phoiblí
Office of Public Works

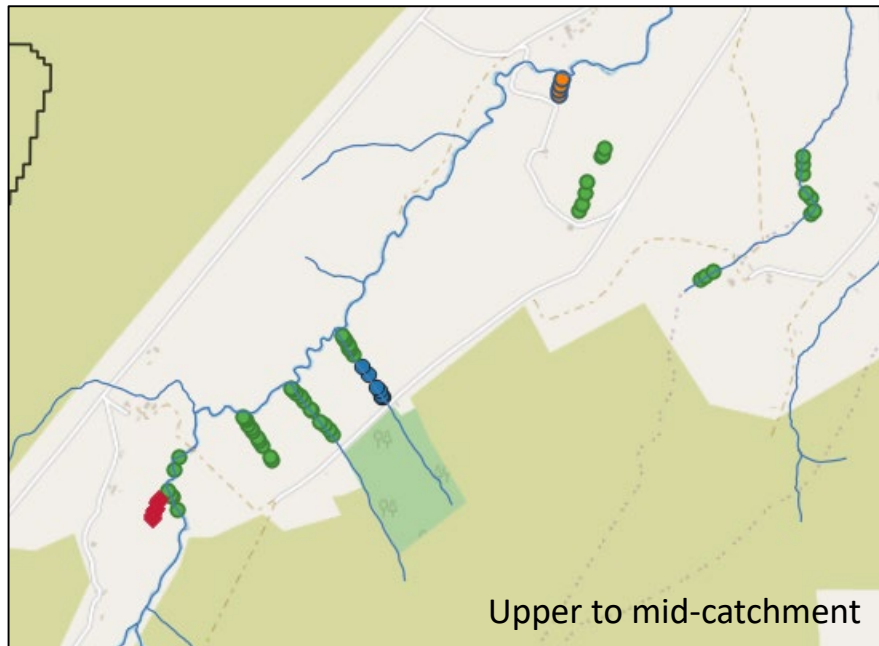


Erosion control



ON THE GROUND
NATURAL FLOOD
MANAGEMENT
IN ISHOWEN

Low impact
Low cost



Boarded dam



Gully stuffing



Natural leaky dam



Log leaky dam

69 Leaky dams





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

Thank You | Go raibh maith agaibh