

Developing Rivers Trust in Ireland

EPA National Water Event 2016

Galway

8th June 2016



What is THE RIVERS TRUST ?

where there's water there's life

- Umbrella body for rivers trusts in England, Wales, Northern Ireland and Republic of Ireland
- Member-led
- Technical Support
- Knowledge share
- National representation
- Coordinated funding bids
- Team spread across UK & RoI



Charities established to look after a **whole river catchment** or area with a number of waterbodies

Catchment-based approach

Evidence-based action

Partnership working

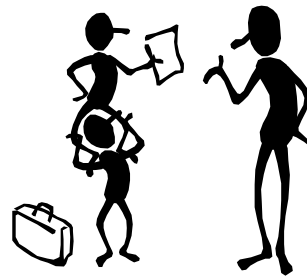
Recognised as river basin based deliverers

Contributing to local and EU Objectives

What are Rivers Trusts?

'wet feet' organisations not lobbying organisations

A grassroots "bottom up" movement



Empowering People Partnership Working



Identifying new funding sources and redirecting existing funds to be more effective

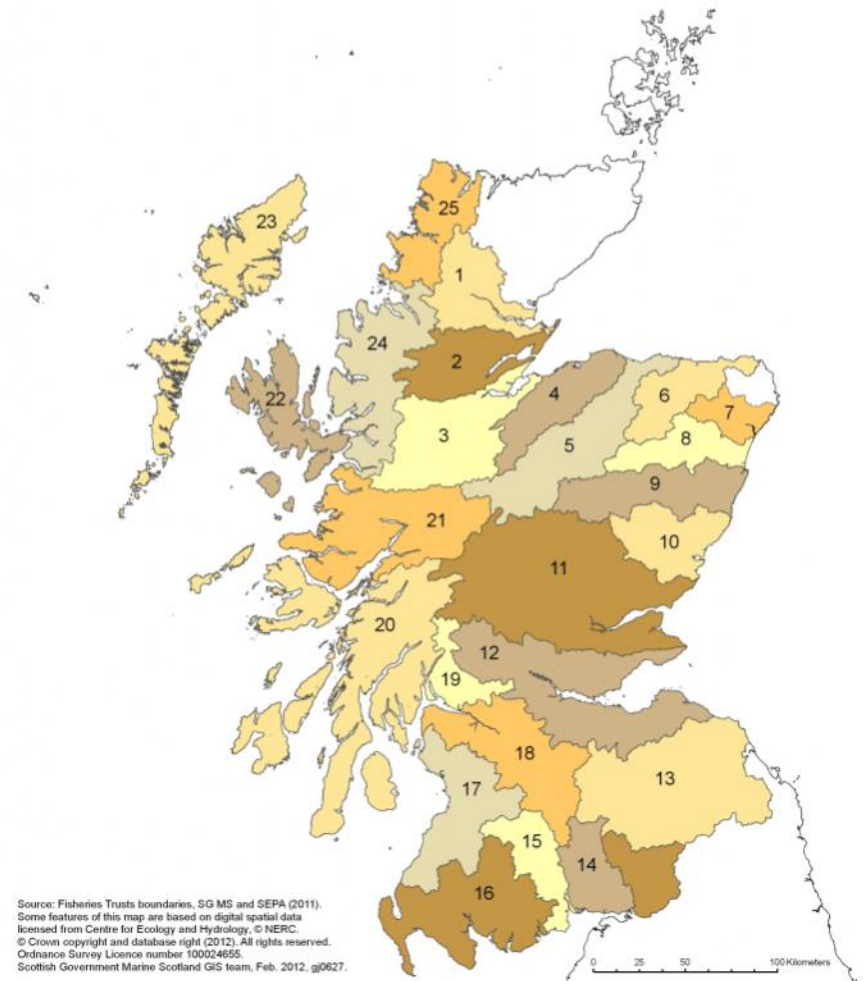


Local action...national impact

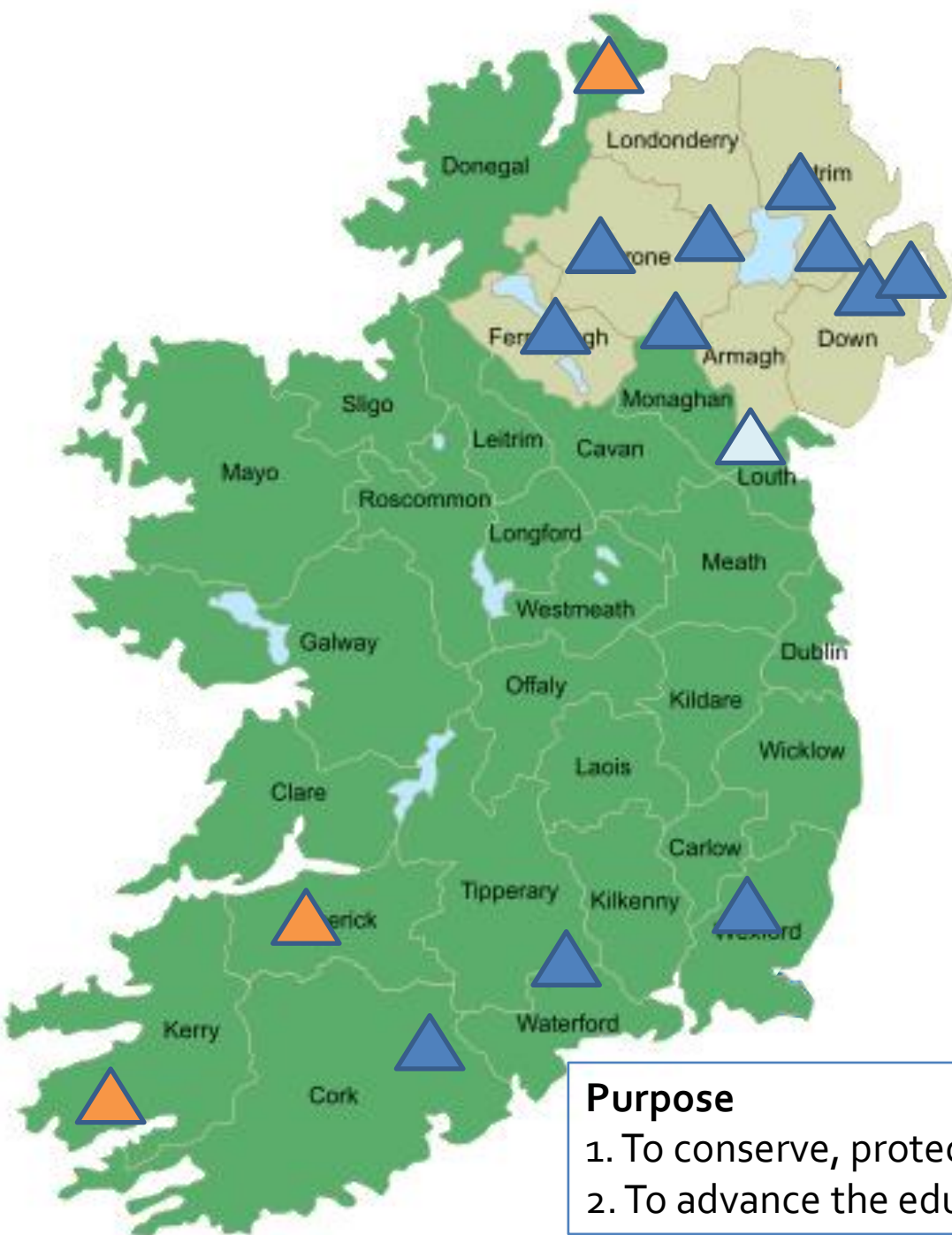


1. Kyle of Sutherland Fisheries Trust
2. Cromarty Firth Fisheries Trust
3. Ness & Beauly Fisheries Trust
4. Findhorn, Nairn & Lossie Trust
5. Spey Foundation
6. Deveron, Bogie & Isla Rivers Charitable Trust
7. River Ythan Trust
8. River Don Trust
9. River Dee Trust
10. The Esk Rivers & Fisheries Trust
11. Tay Foundation
12. Forth Fisheries Trust
13. Tweed Foundation
14. River Annan Trust

15. Nith Catchment Fisheries Trust
16. Galloway Fisheries Trust
17. Ayrshire Rivers Trust
18. Clyde River Foundation
19. Loch Lomond Fisheries Trust
20. Argyll Fisheries Trust
21. Lochaber Fisheries Trust
22. Skye Fisheries Trust
23. Outer Hebrides Fisheries Trust
24. Wester Ross Fisheries Trust
25. West Sutherland Fisheries Trust



Source: Fisheries Trusts boundaries, SG MS and SEPA (2011).
Some features of this map are based on digital spatial data
licensed from Centre for Ecology and Hydrology. © NERC.
© Crown copyright and database right (2012). All rights reserved.
Ordnance Survey Licence number 100024655.
Scottish Government Marine Scotland GIS team, Feb. 2012. g0627.



Northern Ireland

Ballinderry Rivers Trust
Six Mile Water Trust
Maine Rivers Trust
River Blackwater Catchment Trust (x border)
Lagan Rivers Trust
Dibney River Conservation Trust
Strule Tributaries and Rivers Trust
Erne Rivers Trust (x border)

Republic of Ireland

Slaney Rivers Trust
Blackwater Rivers Trust
Nore Suir Rivers Trust

Inishowen Rivers Trust
Maugue Rivers Trust
Waterville Lakes and Rivers Trust

Fane interest groups

Purpose

1. To conserve, protect, rehabilitate and improve
2. To advance the education of the public



Benefits of forming a river trust

- Catchment-wide benefits by targeting local problems
- Raising awareness and providing education
- Engaging people who own and manage the resource e.g. Landowners, farmers recreational users, local government etc
- Able to apply innovative and locally specific solutions to local problems
- Charitable status opening doors for funding
- Identifying new funding sources and redirecting existing funds to be more effective
- Becoming part of a wider network of trusts providing shared advice and support



The role of The Rivers Trust across the island of Ireland

- Director All-Ireland – Mark Horton
- Funding
 - Rol by Dept. for Environment, Community and Local Government
 - NI by Dept. Agriculture, Environment and Rural Affairs (former DoE)
- Works as part of The Rivers Trust team

I can help with:

- Start-up advice and support
- Documentation (Document templates etc)
 - Northern Ireland
 - Republic of Ireland
- Technical support
- Routes into national networks (stakeholder groups)
- Help with employment, governance etc
- Regular news, meetings and seminars

Contact

Mark Horton

The Rivers Trust
c/o Ballinderry Rivers Trust
231a Orritor Road
Cookstown
Co. Tyrone
BT80 9NB
Northern Ireland

Tel: 028 867 61515

E-mail: mark@theriverstrust.org

*"I am happy to come and meet
with your club or group to talk
about forming a trust in your
river catchment"*



A snapshot

THE WORK OF RIVERS TRUSTS ACROSS IRELAND

Registered in England and Wales as a company limited by guarantee
Company Registration No: 5136671 Charity Registration No: 1107144
Registered/Head Office: Rain-Charm House, Kyl Cober Parc, Stoke Climsland, Callington, Cornwall PL17 8PH
Telephone: +44 (0) 1579 372 142



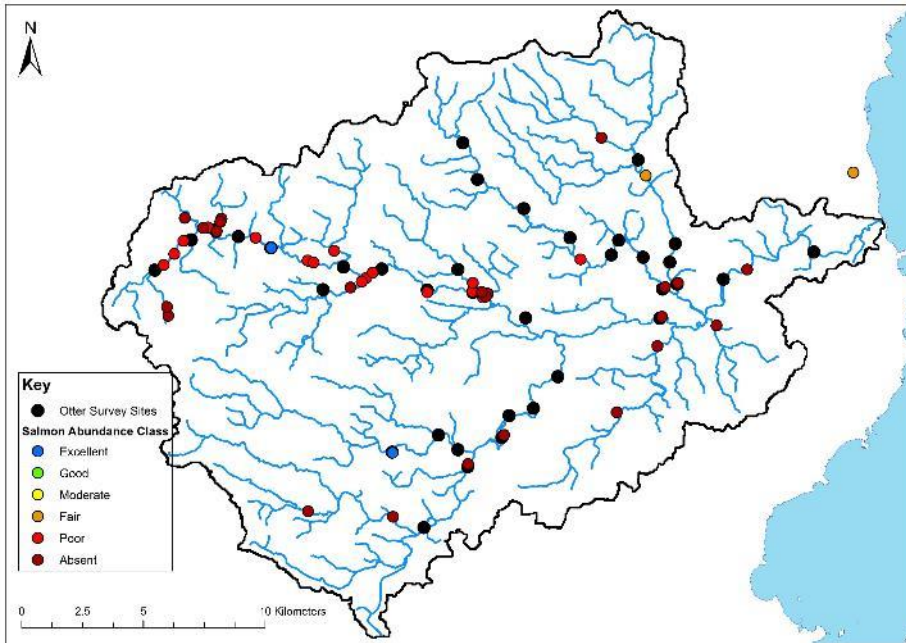
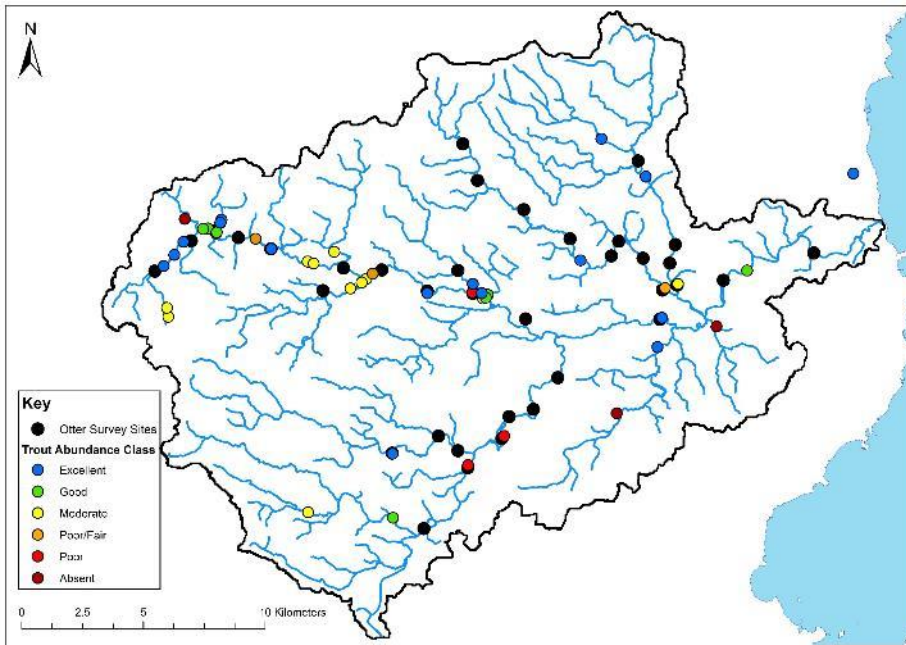


EVIDENCE GATHERING AND PROJECT PLANNING

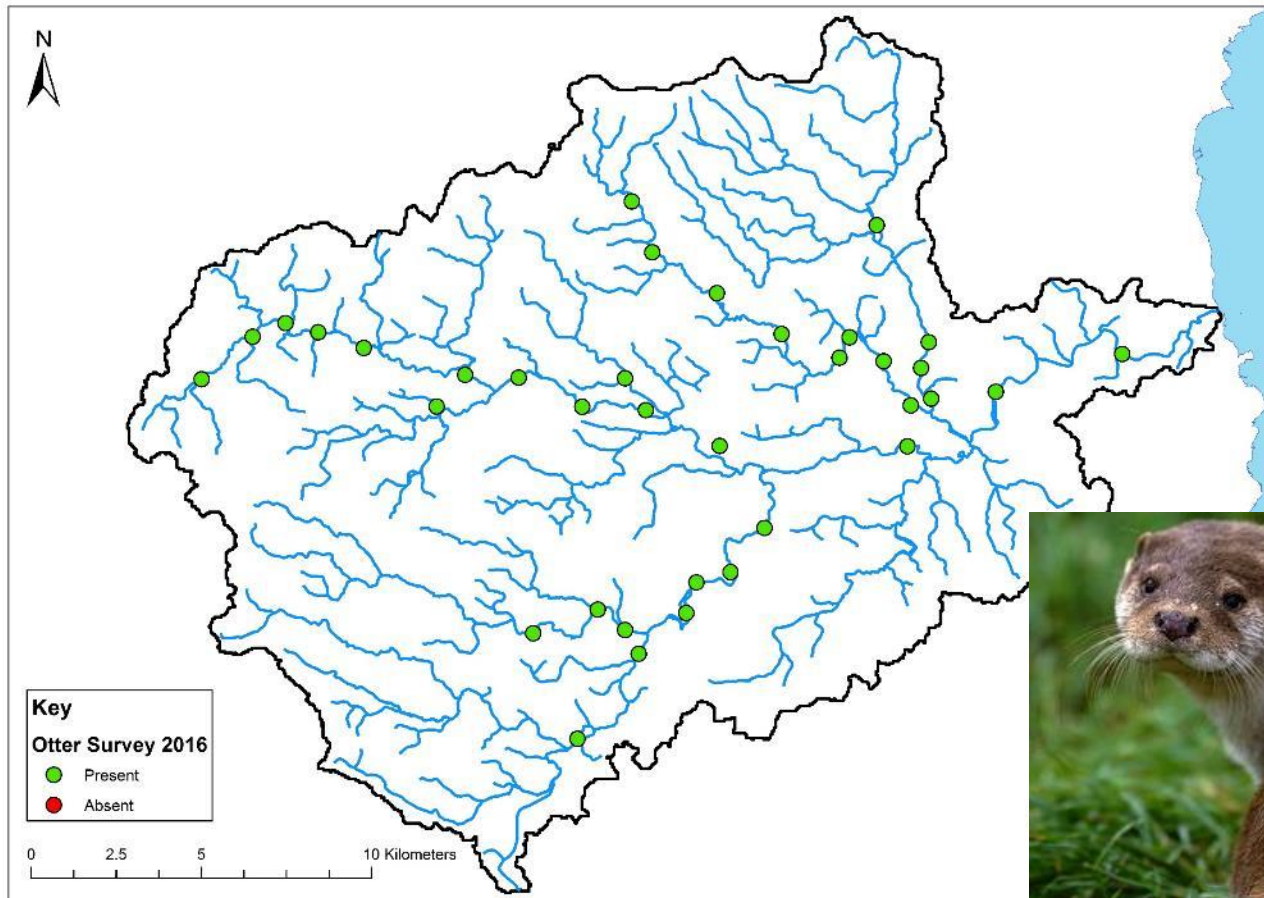
Registered in England and Wales as a company limited by guarantee
Company Registration No: 5136671 Charity Registration No: 1107144
Registered/Head Office: Rain-Charm House, Kyl Cober Parc, Stoke Climsland, Callington, Cornwall PL17 8PH
Telephone: +44 (0) 1579 372 142



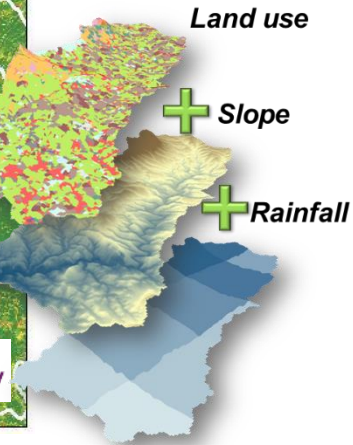
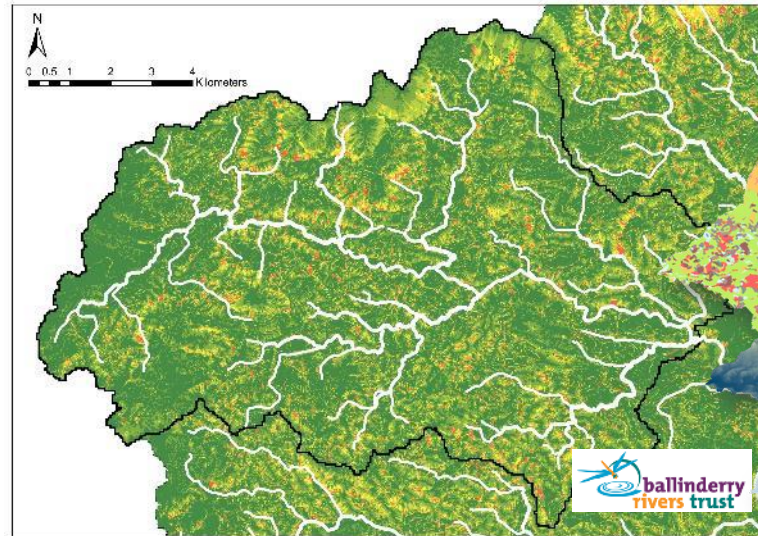
Fisheries Assessments

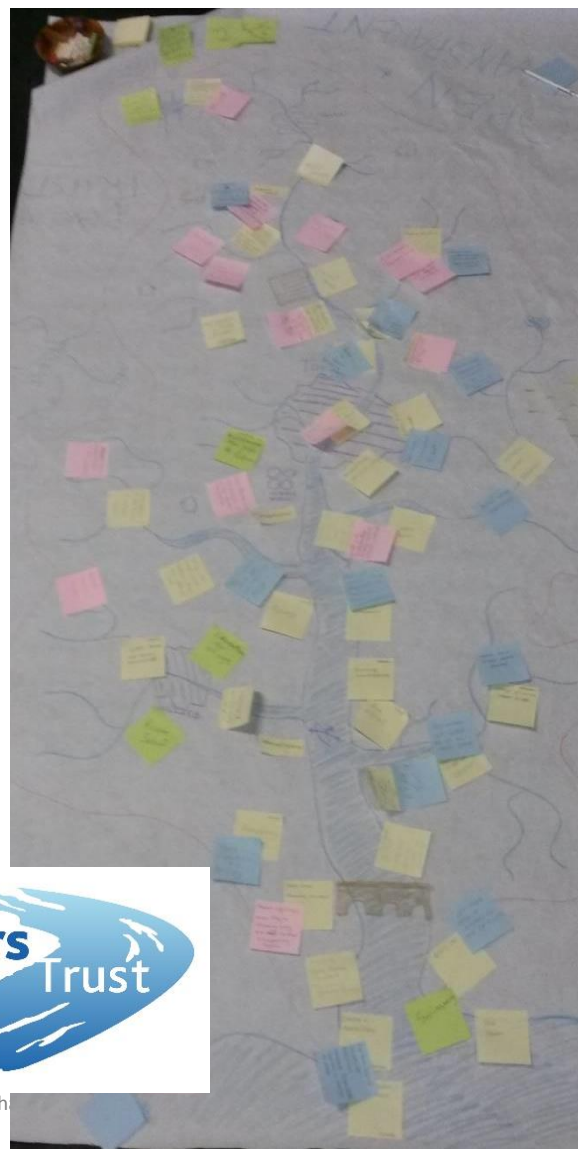


Conservation Status Condition Assessments



Identifying Pressures and Impacts



[illegible]



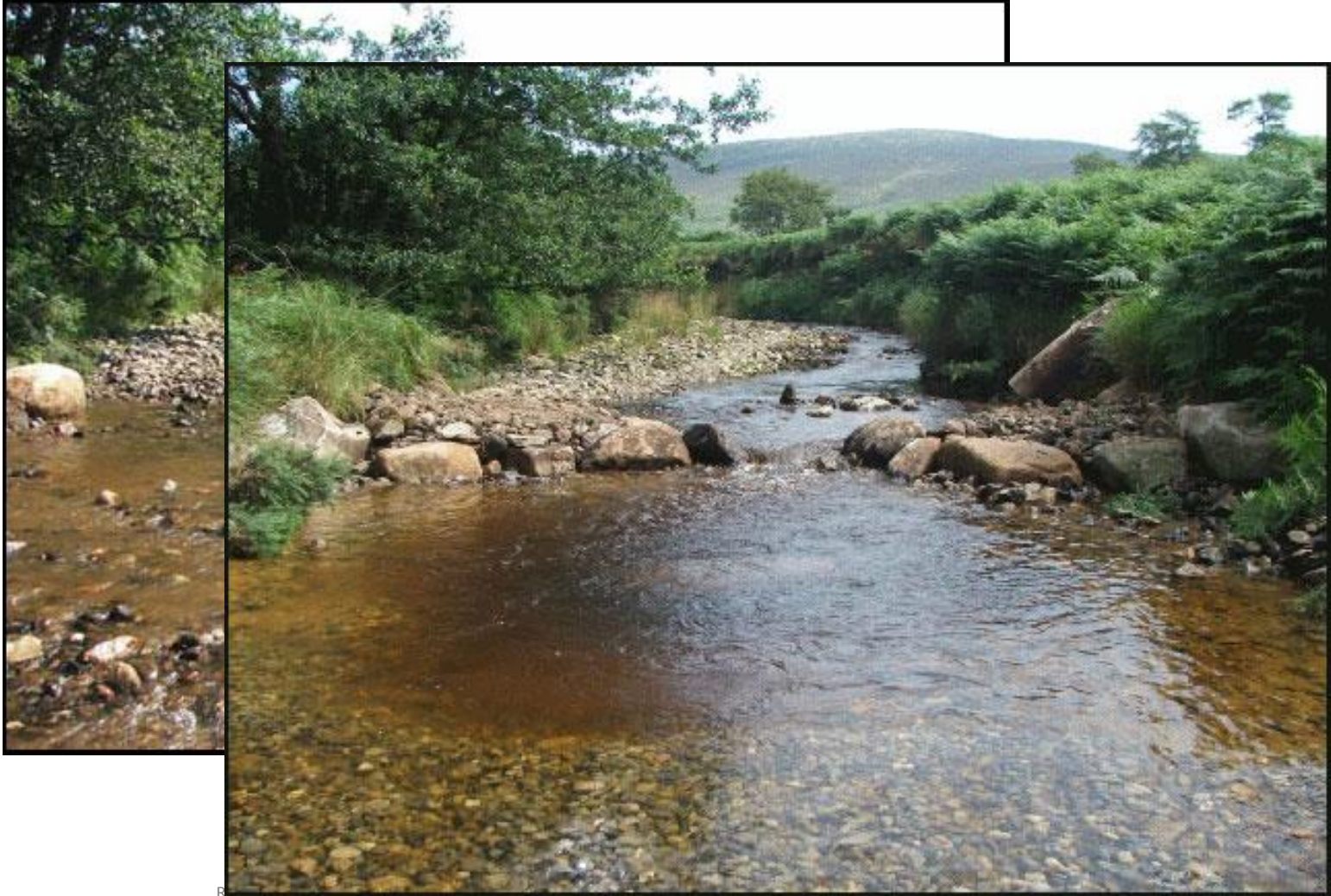
HABITAT IMPROVEMENT

Registered in England and Wales as a company limited by guarantee
Company Registration No: 5136671 Charity Registration No: 1107144
Registered/Head Office: Rain-Charm House, Kyl Cober Parc, Stoke Climsland, Callington, Cornwall PL17 8PH
Telephone: +44 (0) 1579 372 142

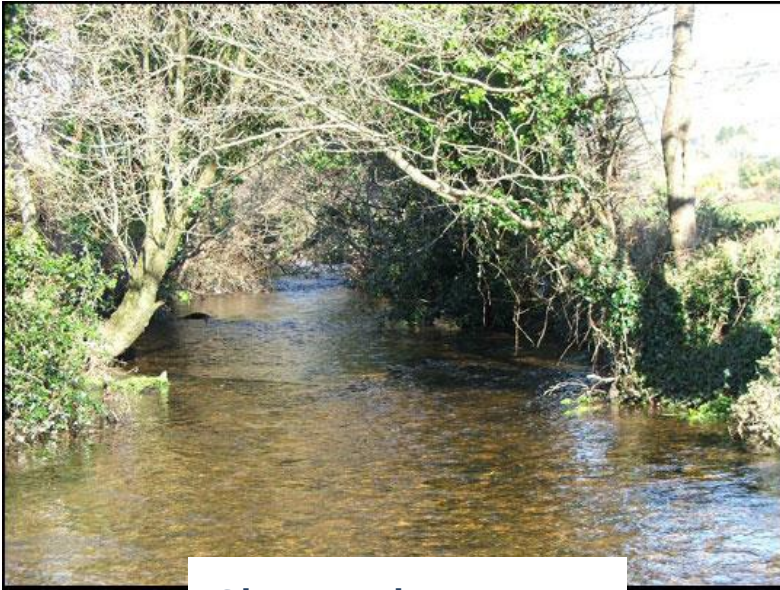


Fisheries Habitat Improvement

Knickeen River – Slaney Rivers Trust



River Corridor



Slaney Rivers Trust



Nore Suir River Trust





Invasive Plant Control



Overcoming obstacles to fish migration

Boland's Weir fish passage project

Nore Suir River Trust





MONITORING AND IMPROVING WATER QUALITY

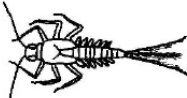
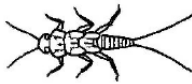




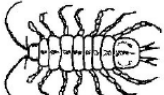


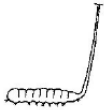


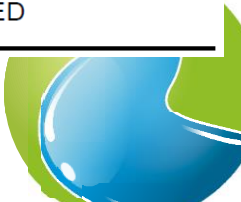
Registered in England and Wales as a company limited by guarantee
Company Registration No: 5136671 Charity Registration No: 1107144
Registered/Head Office: Rain-Charms House, Kyl Cober Parc, Stoke Climsland, Callington, Cornwall PL17 8PH
Telephone: +44 (0) 1579 372 142



Riverflies and water quality

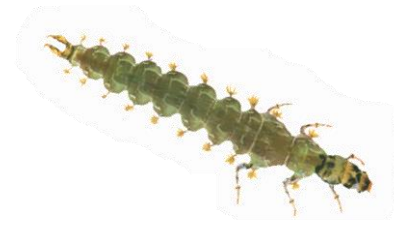


GROUP		ANIMALS		POLLUTION LEVEL	
Less Pollution Tolerant	A	STREAM	 Mayfly nymph	 Stonefly nymph	If you find these animals in your stream, then there is LITTLE OR NO POLLUTION
	A	POND	 Dragonfly nymph	 Damselfly nymph	If you find these animals in your pond, then there is LITTLE OR NO POLLUTION
	B		 Caddis fly larva	 Freshwater shrimp	If you find these animals, but none from Group A, then there may be SLIGHT POLLUTION
	C		 Hog louse	 Bloodworm	If you find these animals, but none from Groups A or B, then there is probably MEDIUM POLLUTION
	D		 Worm (Tubifex)	 Rat-tailed maggot	If you find these animals, but none from Groups A, B or C, then there is A LOT OF POLLUTION
E			No live animals found		If you find no animals at all, then the water is VERY POLLUTED



Understanding a complex world

- Stoneflies
 - Plecoptera
 - 34 species
- Mayflies
 - Ephemeroptera
 - 51 species
- Caddisflies
 - Trichoptera
 - 199 species
- Freshwater shrimp
 - Gammarus
 - Native and non-native



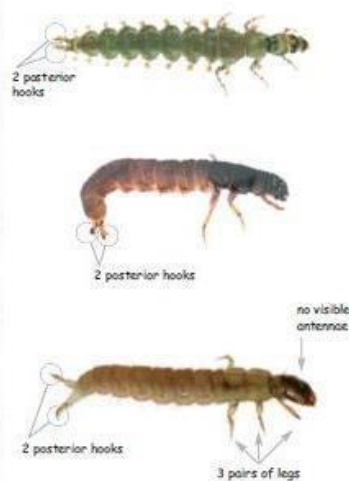
Riverfly Monitoring Initiative

Cased caddis



- Body within case
- Case made of small stones, sand grains, plant material or shells
- Not firmly attached to a surface
- Case may be round, square or flat in cross section

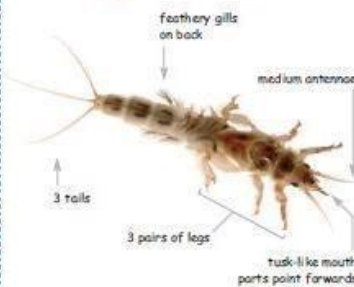
Caseless caddis



- 3 pairs of legs visible
 - May be inside web
- Avoid confusing with:**
- Chironomid midge larvae, which have no legs but walk using a soft peg near their head
 - Beetle larvae, which have no hooks on the posterior appendages

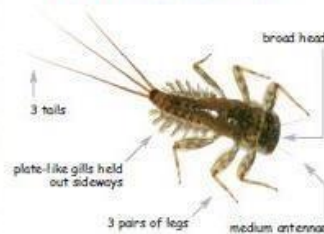
Note: caddis pupae are not recorded

Mayfly *Ephemeridae*



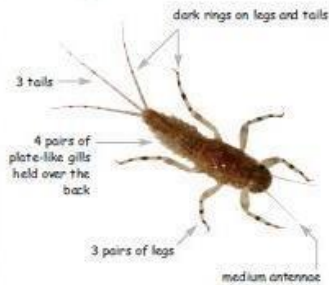
- Burrows in silt or sand or crawls

Flat-bodied *Heptageniidae*



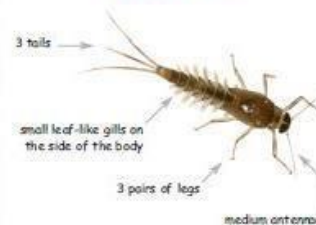
- Body flattened
- Clings to stones
- Swims slowly, flexing body up and down, more commonly seen scuttling on a surface

Blue-winged olive *Ephemerellidae*



- Swims slowly with a rocking motion, body flexing up and down

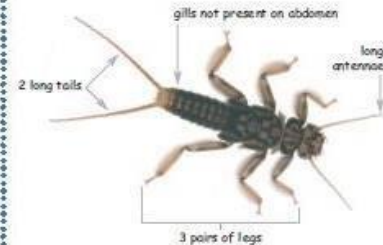
Olives *Baetidae*



- Fast swimmer
- Agile darters
- Body tapered

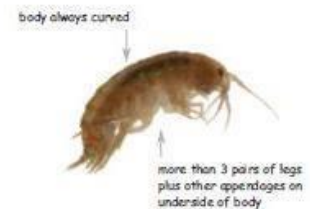
Note: not all up-wing fly families are included in the Target Group, for example Caenidae and Leptophlebiidae are not recorded.

Stoneflies



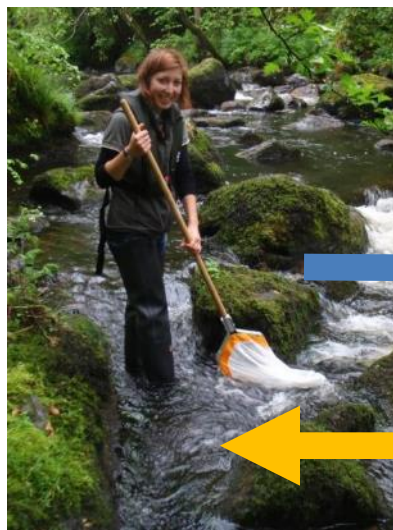
- Crawls or reluctantly swims flexing the body from side to side

Gammarus



- Body flattened side to side
- Swims on side

RMI in Action



River invertebrate monitoring for anglers

Organisation	
Site name	
River	
Grid reference	
Monitoring Group Coordinator	

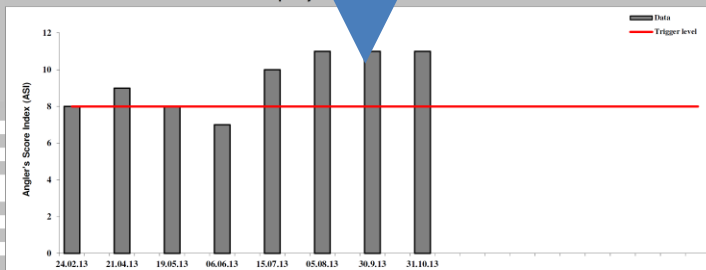
Example month		Month 1	Month 2
Date	27/06/2005		
Recorded by	C Macadam & C Bennett		
Category	Est. number*	Category	Est. number*
Caddisflies			
Caseless caddisfly	B 20		
Caseless caddisfly	A 2		
Mayfly (Ephemeroidea)	B 10		
Blue-winged olive (Ephemeroidea)	B 20		
Flat-bodied up-wings (Heptageniidae)	C 100		
Olives (Baetidae)	A 4		
Stonflies	A 3		
Freshwater shrimp	A 8		
Notes	Hatches seen. River looking good.		

Note the category and estimate the numbers of each group from the sample, for example:
 If less than ten Caseless caddis: enter Category A and estimate the number
 If between 10 and 100 Caseless caddis: enter Category B and estimate the number to the nearest 10
 If between 100 and 1000 Mayflies: enter Category C and estimate the number to the nearest 100
 If more than 1000 Olives: enter Category D and estimate the number to the nearest 1000
 Available on line at www.riverflies.org

Abundance	Category	Estimated number*
1-9	A	Quick count
10-99	B	Nearest 10
100-999	C	Nearest 100
over 1000	D	Nearest 1000

Recording sheet

Angler's Monitoring Initiative (AMI)



The Riverfly Partnership

AMI Group
 Ballinderry Riverfly Team
 River
 Rock River
 Site volunteer name(s)
 R Graham
 Statutory body contact
 NIEA - Eileen Mallon
 Site grid reference

Trigger level

8 - The trigger level is site specific and is set by the statutory body

Date	24.02.13	21.04.13	19.05.13	06.06.13	15.07.13	05.08.13	30.9.13
Category (A - D)	Estimated number*	Category (A - D)	Estimated number*	Category (A - D)	Estimated number*	Category (A - D)	Estimated number*
Caseless caddis	A 6	B 12	A 9	A 5	A 10	B 13	B 15
Caseless caddis	A 2	A 2	A 4	A 2	A 8	B 15	A 8
Mayfly (Ephemeroidea)							
BWO (Ephemeroidea)				A 6			
Flat bodied (Heptageniidae)	B 15	B 17	B 20		B 15	A 5	B 10
Olives (Baetidae)	B 50	B 60	B 50	A 9	B 35	B 47	B 55
Stonflies	A 4	A 6	A 7	B 15	B 30	B 40	B 40
Freshwater shrimp	A 2	A 7	A 5	A 5	B 15	B 30	B 25
Total	8	9	8	7	10	11	11

Trust OR
 Statutory
 Agency

Registered in England and Wales as a company limited by guarantee
 Company Registration No: 5136671 Charity Registration No: 1132742
 Registered/Head Office: Rain-Charm House, Kyl Cober Parc, Stoke Clun, Shropshire, Sh. SY10 7JH
 Telephone: +44 (0) 1579 372 142

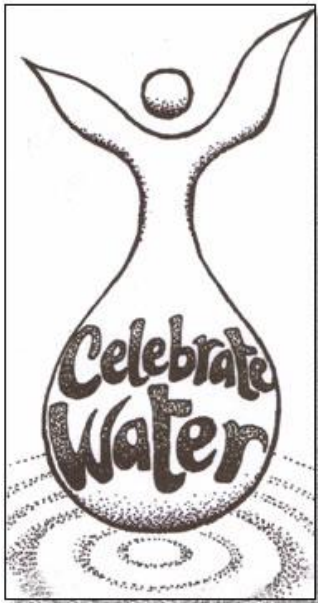


EDUCATION AND COMMUNITY ENGAGEMENT

Registered in England and Wales as a company limited by guarantee
Company Registration No: 5136671 Charity Registration No: 1107144
Registered/Head Office: Rain-Charm House, Kyl Cober Parc, Stoke Climsland, Callington, Cornwall PL17 8PH
Telephone: +44 (0) 1579 372 142



The great outdoors



The Frogs, the spawn and the pooh!

You are invited to a . . .

Bredagh River World Café

Saturday 5th March 2016

Meet at the Tree
Moville Square
12 noon
or
Glencrow Hall
1pm - 2.30pm



In Feb 2013, the Moville community gathered to discuss the idea of re-opening the Bredagh River Walk.

Three years on, we invite the Moville community to gather again to see the work that has been achieved to date and think of more ideas for the Bredagh.

We will meet at the Tree in the Square @12 pm and walk part of the river path together (please wear appropriate footwear). We will then walk to the Glencrow Hall for lunch and a discussion. If you prefer, you can join us directly at Glencrow Hall @1pm.

This is a free event and open to all.

To Find Out More Contact Mark 087 9153437 or Trish 087 6478183

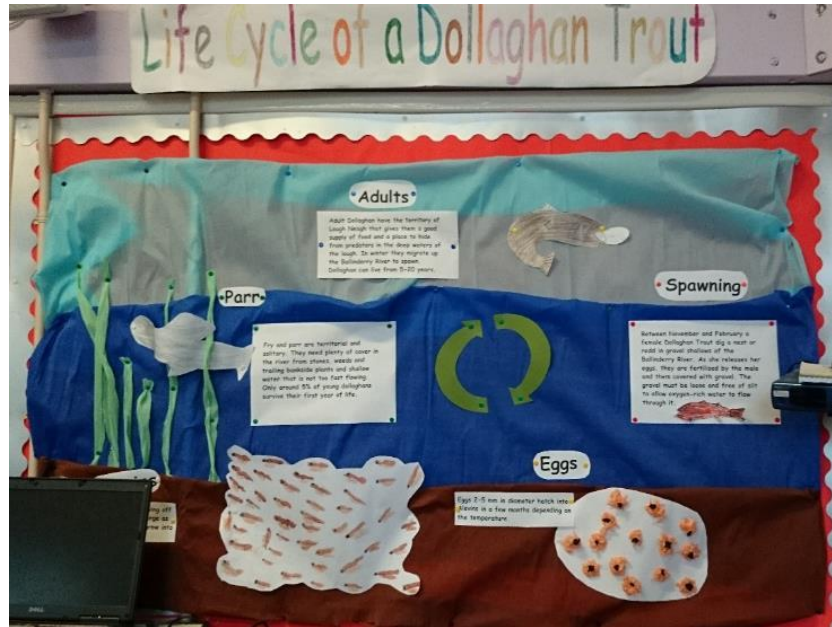
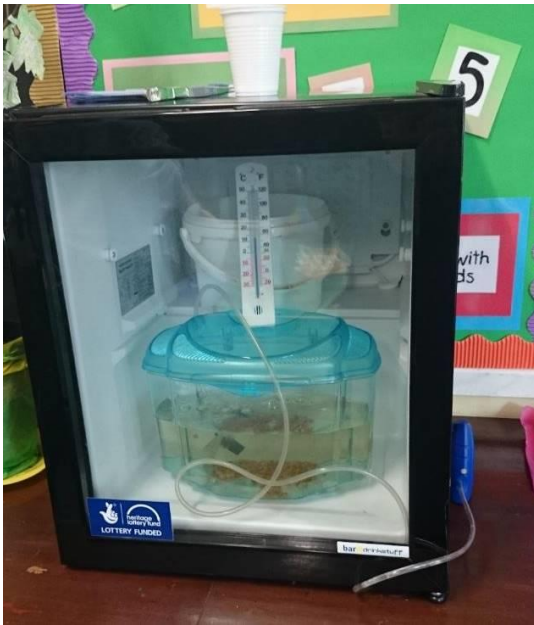
www.celebratewaterinishowen.com



Registered in England and Wales as a company limited by guarantee
Company Registration No: 5136671 Charity Registration No: 1107144
Registered/Head Office: Rain-Charms House, Kyl Cober Parc, Stoke Climsland, Callington, Cornwall PL17 8PH
Telephone: +44 (0) 1579 372 142



Hatchery in the Classroom



How do we make all this happen?

- Formation of a trust creates a focus for activity
- Fundraising
 - Pursuing grant aid opportunities
 - Fund raiser events and membership
 - Corporate sponsorship
- Creating and supporting volunteer opportunities
- Providing training to the public
- Working in partnership with others to deliver common aims
- Working together



International funding

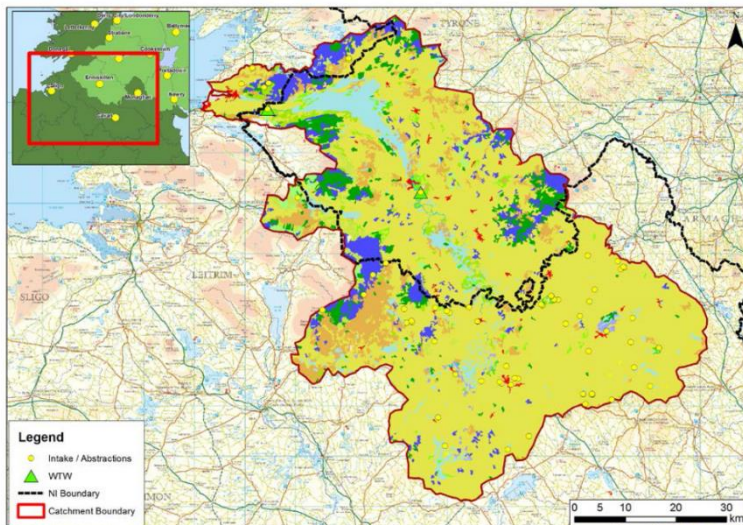
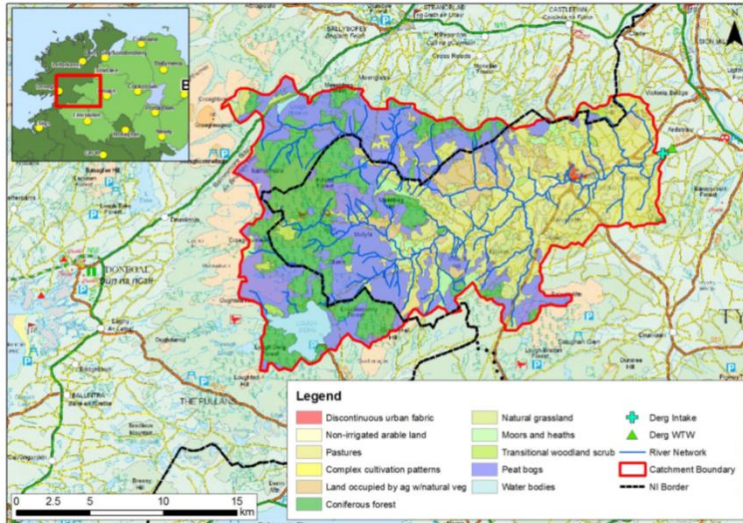


European Union
European Regional
Development Fund
Investing in your future

INTERREG VA Project



Source to Tap (proposed Interreg VA project)



- Derg catchment (369 km²) – County's Tyrone and Donegal,
- Erne catchment (2470km²), Co Donegal, Fermanagh, Tyrone, Leitrim, Cavan and Monaghan
- MCPA (pesticide)/colouration/turbidity problems – identified as a risk in Drinking Water Safety Plans
- Aim - to deliver a Sustainable Catchment Area Plan (SCAMP) to help secure safe drinking water sources and it will contribute to improvements in cross border raw water quality (WFD).
- Changing land use practices through demonstration, education and community engagement.
- Cross-border Land Incentive Scheme (€1.02m)
 - Over a 20 year period South West Water have assessed approximate savings of £65 in treatment costs for every £1 spent on Catchment Management.





www.theriverstrusts.org.uk

The Rivers Trust
c/o Ballinderry Rivers Trust
231a Orritor Road
Cookstown
Co. Tyrone
BT80 9NB
Northern Ireland

Tel (from UK): 028 867 61515
Tel (from Rol): 00 44 28 867 61515
E-mail: mark@theriverstrust.org

Registered in England and Wales as a company limited by guarantee
Company Registration No: 5136671 Charity Registration No: 1107144
Registered/Head Office: Rain-Charm House, Kyl Cober Parc, Stoke Climsland, Callington, Cornwall PL17 8PH
Telephone: +44 (0) 1579 372 142

