

# A Catchment-Based Approach to integrated water management

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Partnerships for Action



# Historic views of partnership

- NGOs
- Statutory bodies
- Water companies
- Business & industry
- Communities
- Funding (don't want to be told what to do)
- Co-financing (but want to maintain control)
- Customer engagement (don't want to spend a lot)
- Meet a requirement (don't want to do a lot)
- Want to do a lot (not necessarily what you need)

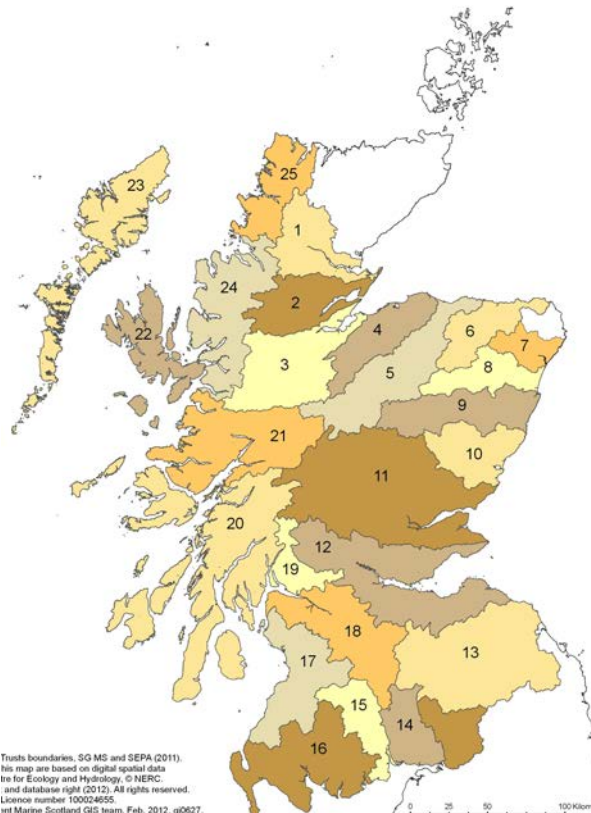


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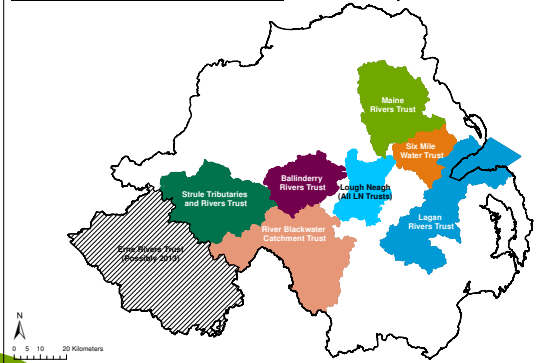
- Working in partnership should make work faster, more efficient & more cost effective.
- It should not, duplicate effort, make work harder or slower, or be entered into as a means of controlling others.





Trusts boundaries, SG MS and SEPA (2011).  
 This map is based on digital spatial data  
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 and Marine Scotland GIS team, Feb. 2012. g0627.

**Rivers Trusts in Northern Ireland (January 2013)**

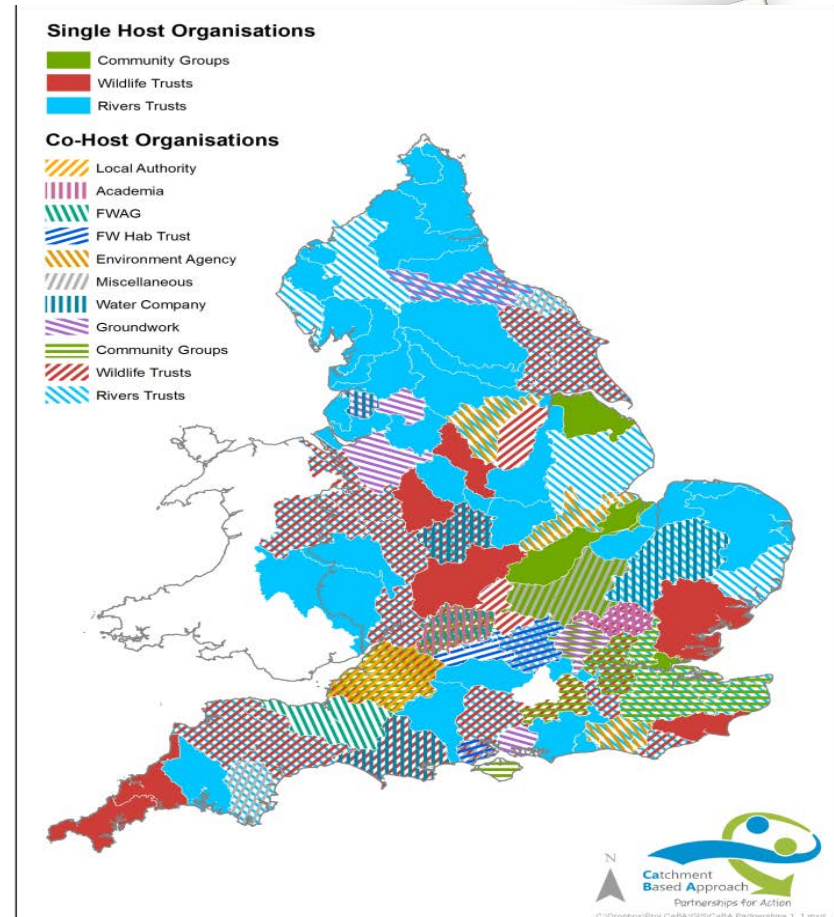


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# Frameworks & opportunities for integration

- Catchment based approach
  - Since November 2013
  - Provides a framework for integrated water management based on hydrological units
  - Develop consensus over a plan & provide opportunities for synergistic & affordable delivery



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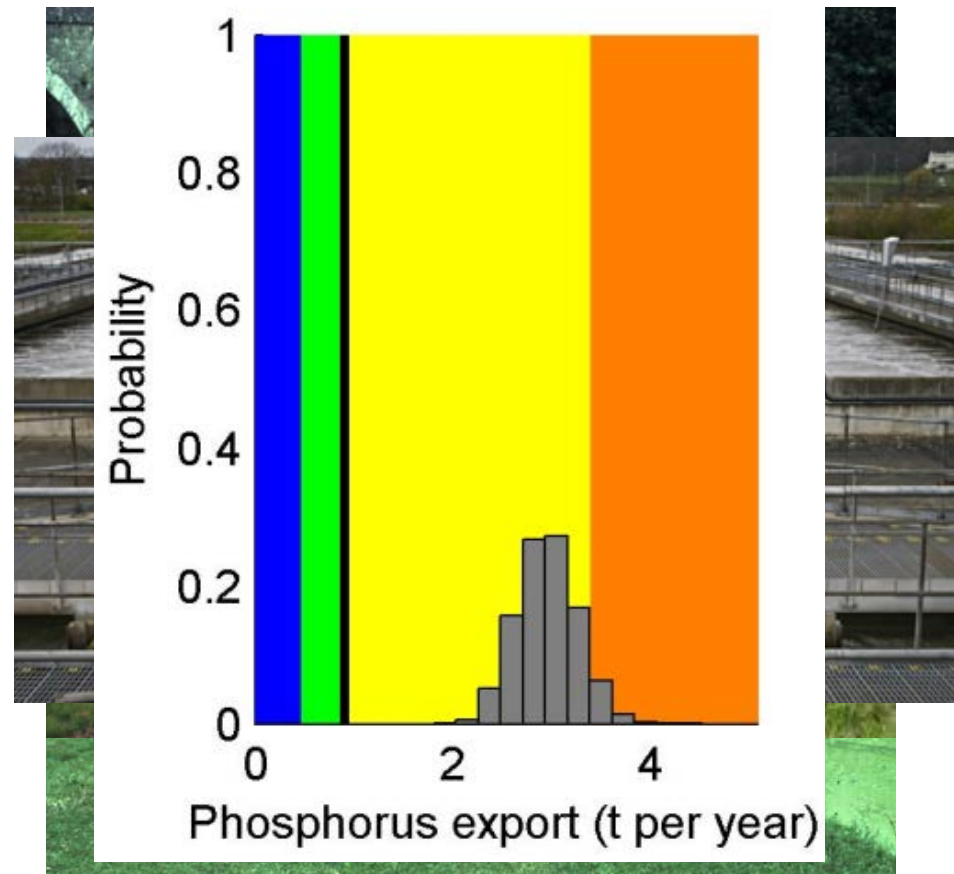
# Why work in partnership (a third sector necessity)?

- Need to work on someone's property / asset
- Need consent to carry out your work
- Need financial help
- Need information
- Need to change behaviour
- Need to foster stewardship
- Need others skills / labour



# Effective catchment partnerships require good data...

- What are you trying to fix?
- What is the cause of the problem?
- Who is contributing to the problem?
- Who can help fix it?
- What is the relative impact?
- Honesty over what data means



# ...getting good data requires effective partnerships!

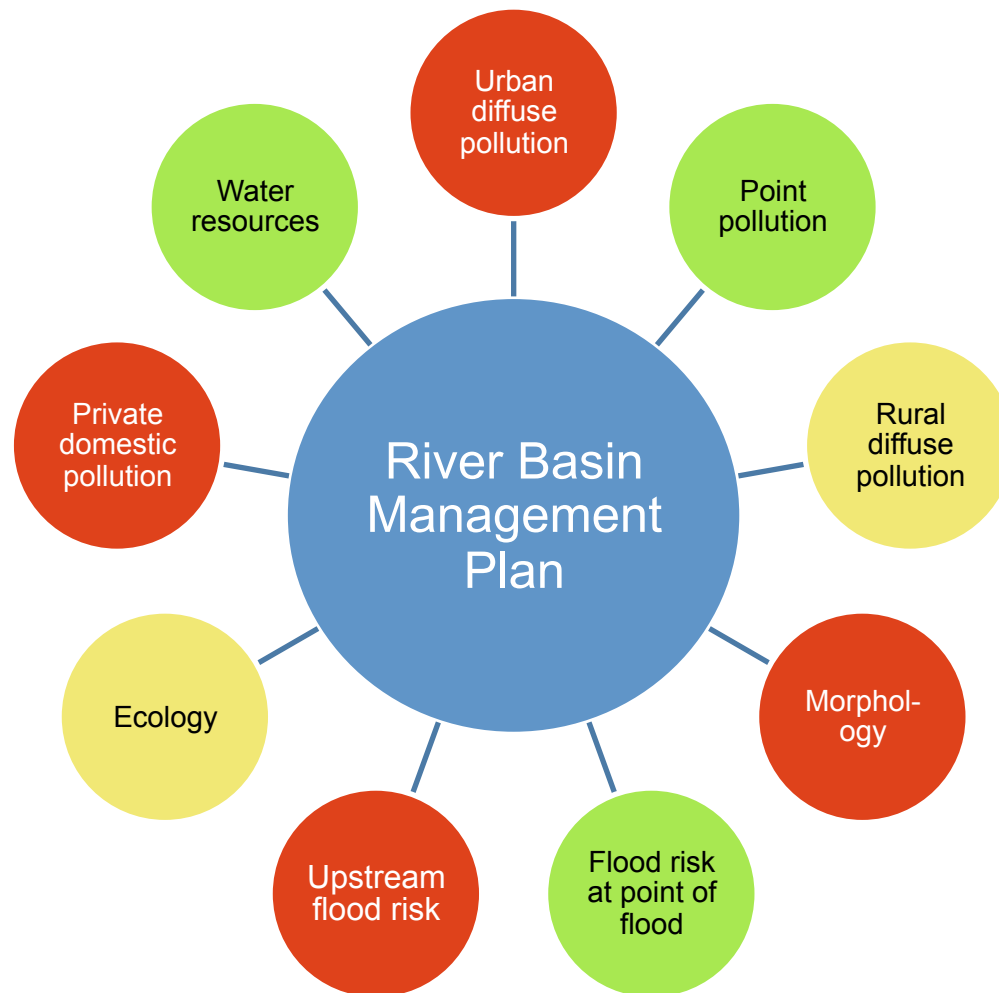
- Statutory data potentially held by multiple organisations
- Sharing & recognising validity of data
- Confidentiality, sensitivities & security
- Ownership & commercial use
- Gathering new data



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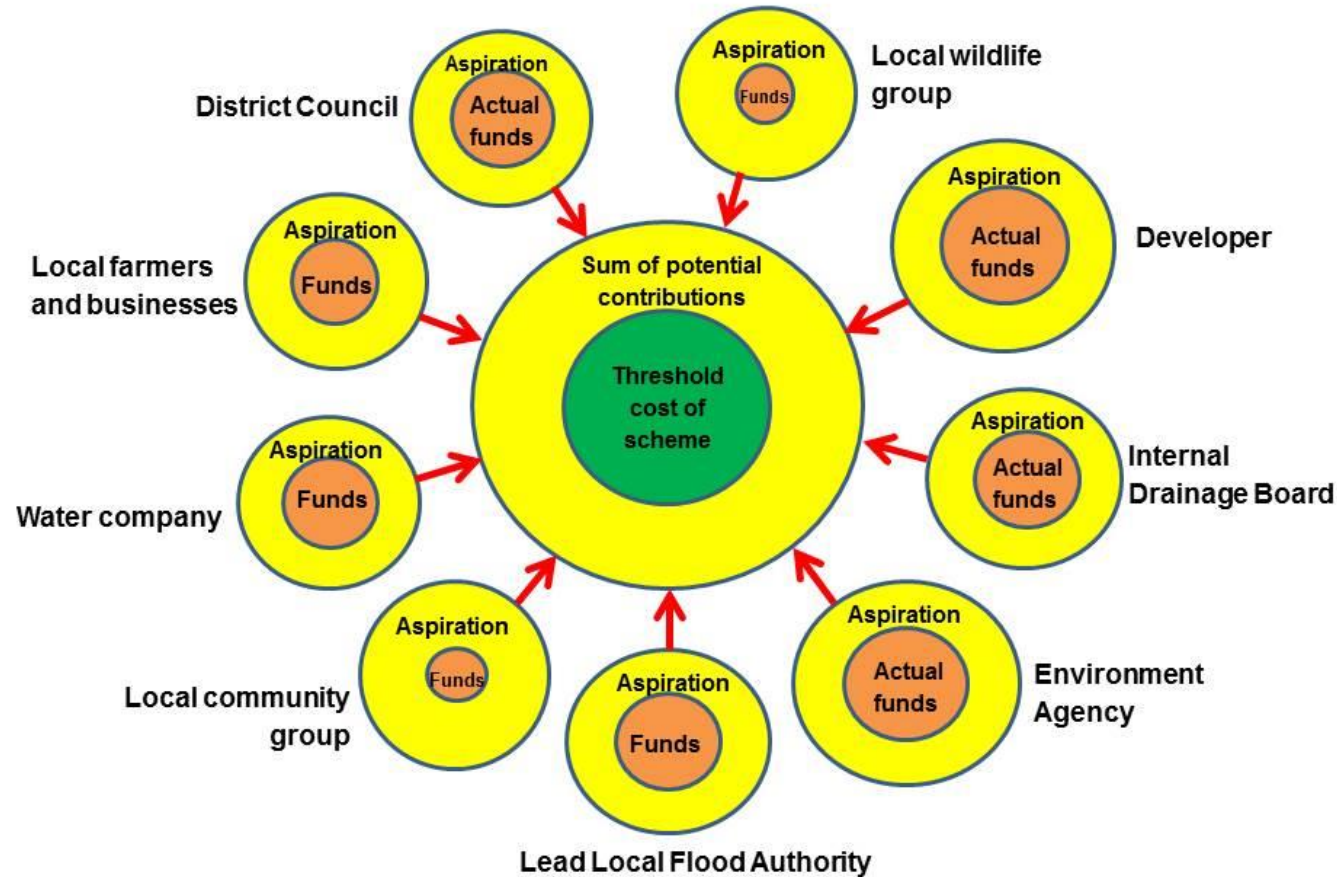


# Future of partnerships for water



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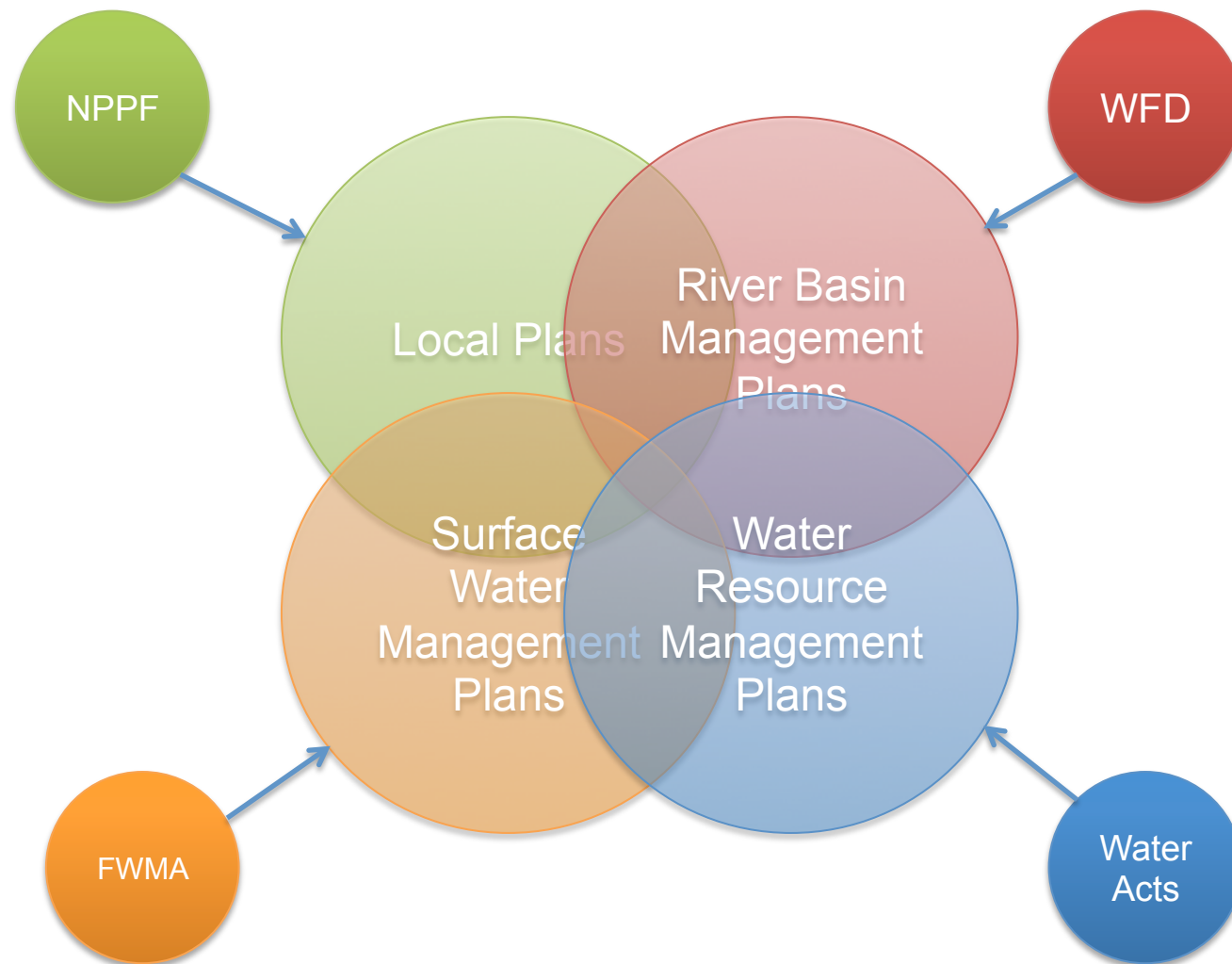
# Opportunities for partnership



NCLP Water Planning Advice Note, Peter Bide, 2014



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Redrawn from NCLP Water Planning Advice Note, Peter Bide, 2014

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# Moving to integrated water management



Better adoption of CaBA  
Cross sector use of financial instruments for  
multiple benefits – small sewage discharges



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# Scale of the opportunity



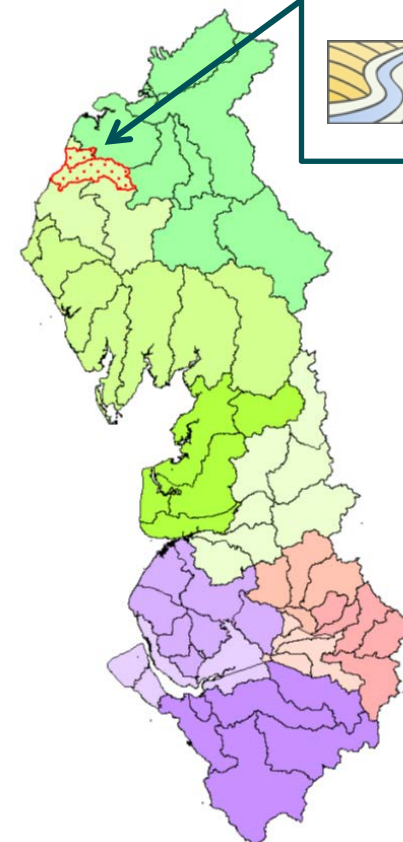
# United Utilities' Catchment Wise Pilots

- In September we started a two-year Catchment Wise pilot in the Ellen sub-Catchment, West Cumbria
- Six of our wastewater treatment works in the area have been identified as requiring investment for Phosphorus removal
- We're funding a dedicated project co-ordinator who will work with farmers, landowners, local communities and organisations to tackle agricultural diffuse pollution
- The project aims to achieve:
  - Sustained reduction in catchment sources of phosphate and move towards 'Good Status' under WFD
  - Reduce bacteriological inputs from catchment sources to Bathing Waters in Allonby Bay
  - Defer or de-scope capital investment at our assets.



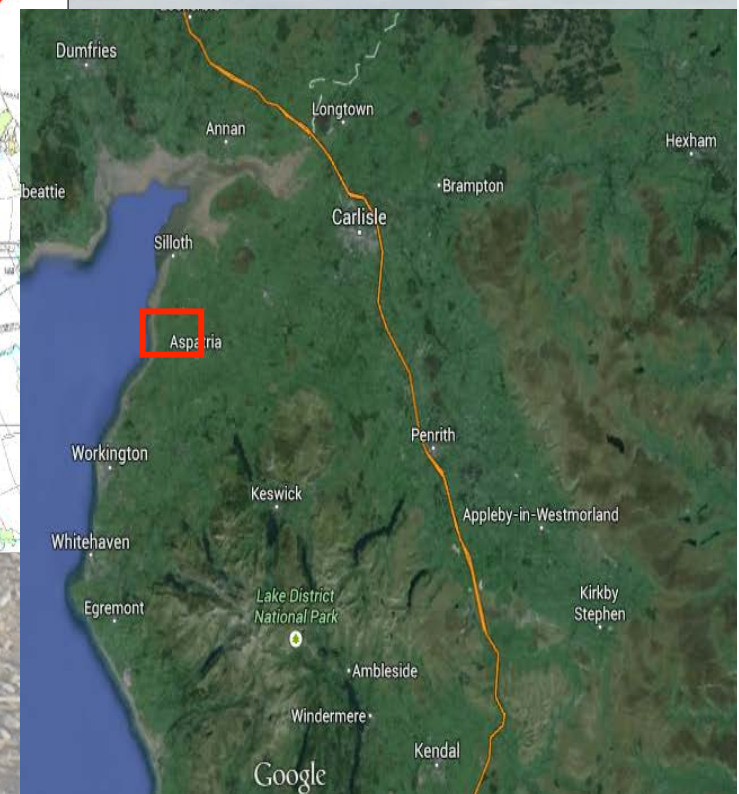
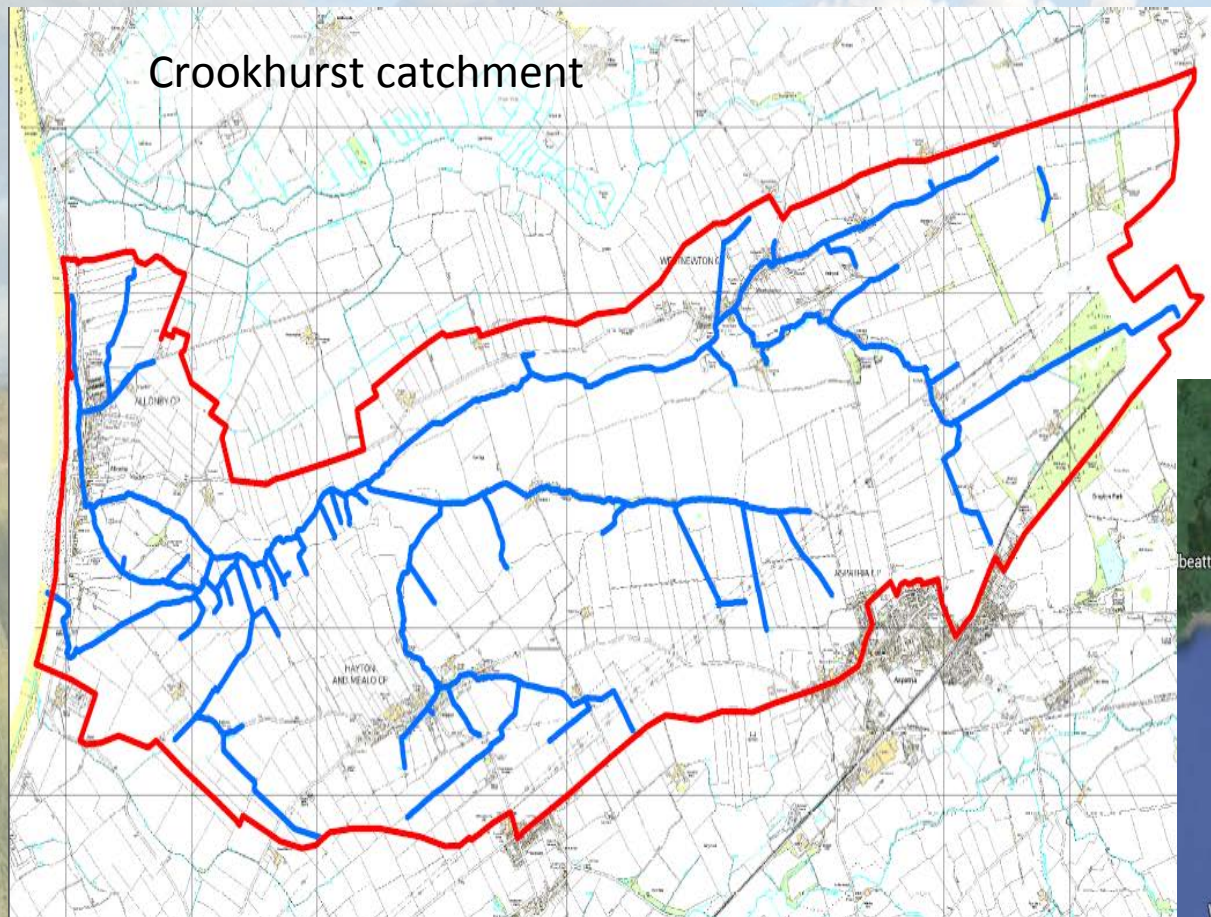
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*The partnership...*





# Project area





# Resources and methods

## Resources

- Project officer through WCRT
- Intervention fund £120,000
- Monitoring support from EA
- CSF advice

## Methods

- Grants for farm improvements
- Appropriate educational events





# Other examples

- Wandle / SERT monitoring & implementation of sustainable drainage systems
- Action for the River Kennet – uptake of sustainable water devices in the home

