

# The Catchment Based Approach (CaBA)

## Collaborative Water Management across England

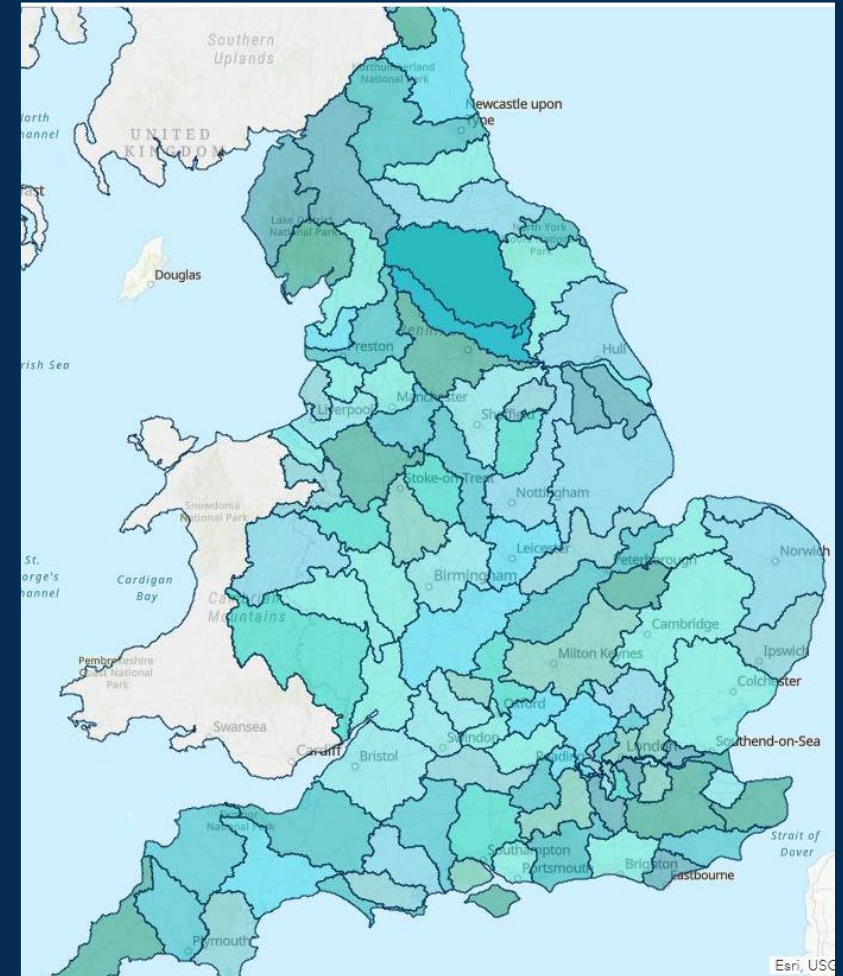


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# The Catchment Based Approach (CaBA)

- Established 10 years ago – recognition of ‘bottom-up’ approach
- 106 river catchment Partnerships encompassing the whole of England
- Diverse mix of partner organisations – connecting public, private and civil society



- Annual Reporting
- Convening power
- Pool resources
- Capture local expertise
- Leveraging of additional funds

<https://catchmentbasedapproach.org/>

## Catchment Based Approach



Celebrating the benefits of a collaborative approach for people and wildlife

### Action and Activities in 2020/21

This reporting was for projects and activities taking place up to March 2021, and includes the impact of Covid-19.

**100** partnerships  
reported their work

**25YEP**

Reporting data show links to the  
25 Year Environment Plan

**852** projects  
details submitted

#### Building Partnerships



CaBA meetings across  
the country

All partnerships work with their  
local water company and

**72%**

have the water company involved  
in funding or delivery

#### National Support



building capacity and expertise

#### Connecting People with the Environment

**15,265**

primary stakeholders engaged  
in 2020/21



**63390**

volunteers & citizen scientists  
actively involved in projects

**6029**

farmers engaged, often with on-  
farm measures implemented

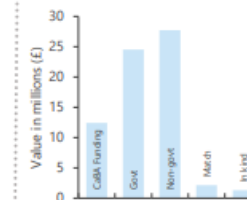
#### Funding & Financing

**£1 : £2.23**

For every £1 directly invested by  
the Government, CaBA  
partnerships have raised £2.23  
from non-government funders  
plus

**£24.5 million**

of wider government funding  
invested via a collaborative  
catchment approach



#### Improving Biodiversity

**1238ha**  
habitat created

**78 barriers**  
to fish migration mitigated

**344**  
projects tackling ecological  
quality of waterbodies

**>700km**  
riverbank controlled for  
specific invasive species

#### Clean & Plentiful Water

**259**  
projects tackling diffuse  
pollution & improving water  
quality



**Catchment  
Based Approach**

# National CaBA Support Group



**Catchment  
Based Approach**



**Environment  
Agency**



**The  
Rivers  
Trust**



**THE  
wildlife  
TRUSTS**



**defra**  
Department for Environment  
Food and Rural Affairs



**Forestry Commission**



**ANGLING  
TRUST**



**NATURAL  
ENGLAND**



**WATER UK**

working on behalf of the water industry towards a sustainable future



**Freshwater  
Habitats Trust**

**CIWEM**



**National  
Trust**



**WWF**



**RSPB**



**GROUNDWORK**  
CHANGING PLACES  
CHANGING LIVES



**WWT**



**SALMON & TROUT ASSOCIATION**  
Game anglers for fish, people, the environment



**Catchment  
Based Approach**

# Coordinated Action at the Catchment Scale



**Catchment  
Based Approach**



# Agricultural Pollution – Supply Chain Engagement



WORKING  
TOGETHER  
TO CONSERVE  
AND PROTECT  
ENGLISH  
LANDSCAPES





# Nature Based Solutions

- Rural & Urban
- Optimal Targeting
- Climate Resilience
- Multiple Benefits
- Green Financing





# Tackling Invasive Species

West Cumbria Catchment Partnership

Overview Understanding the Issues Characteristics Current Work Catchment Plan

A Natural Course Story Map

LEGEND

Historic non-native invasive species records

- Himalayan Balsam
- Japanese Knotweed
- Canadian Waterweed
- Nuttall's Waterweed
- Giant Hogweed
- New Zealand Pigmyweed
- Giant Knotweed
- American Mink
- Other

DoBH, OS, Esri, HERE, Garmin, USGS, NGA

esri

Cumbria-freshwat...pdf

Dee-Catchment-Bi...pdf

Type here to search

15°C Mostly cloudy

14:40 06/06/2022

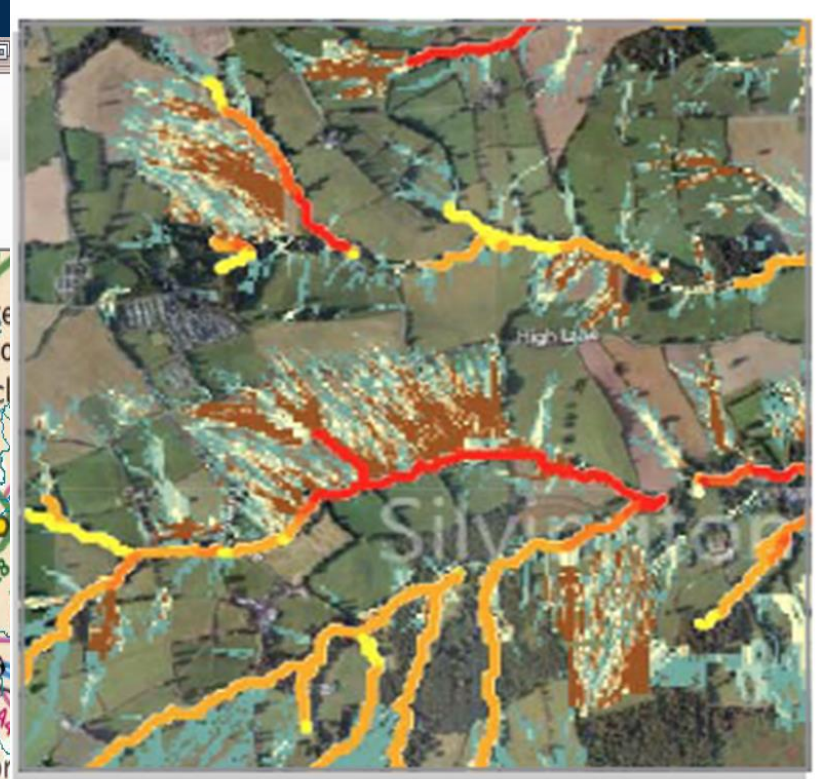
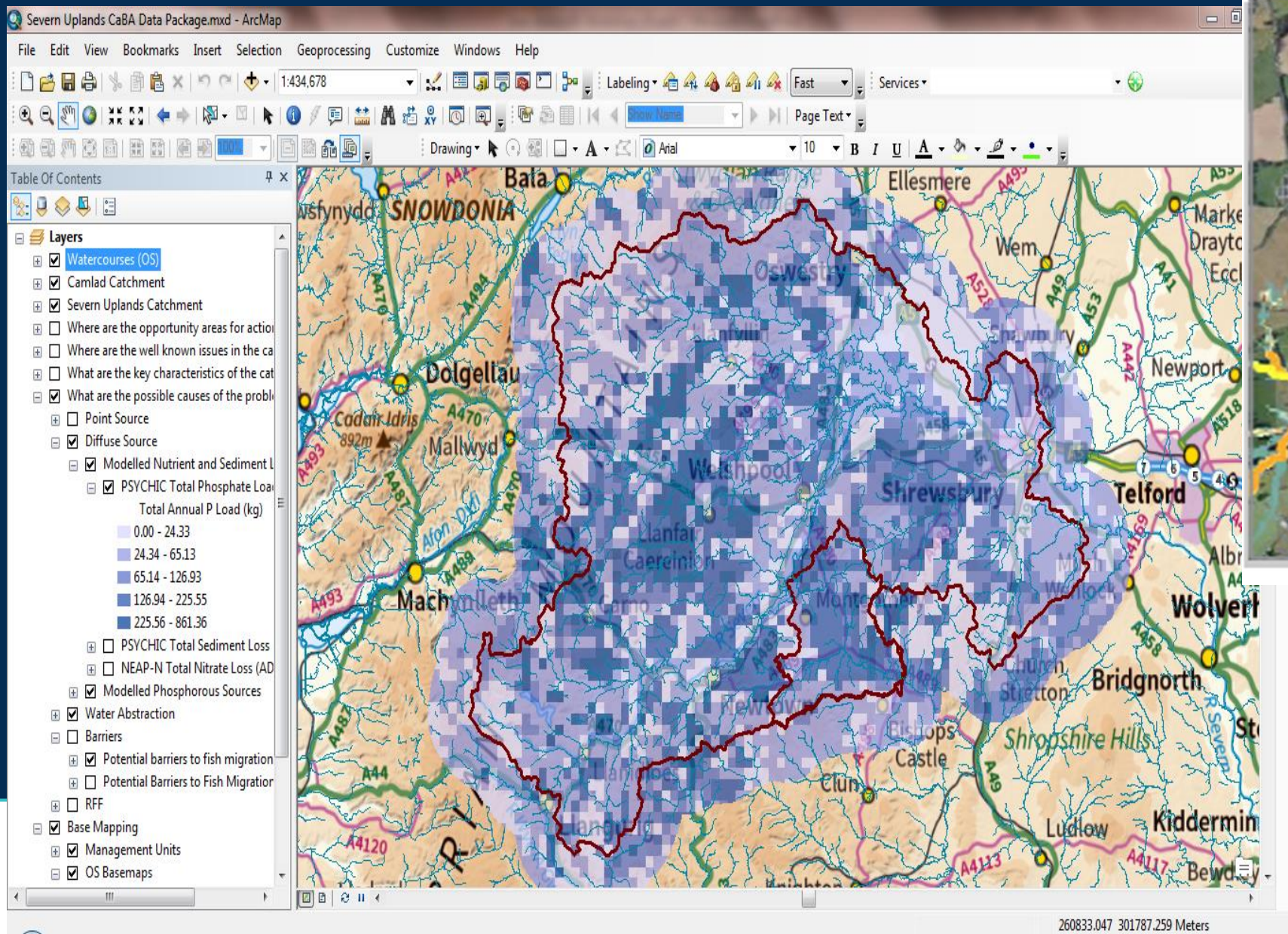


# Underpinned by Data and Evidence



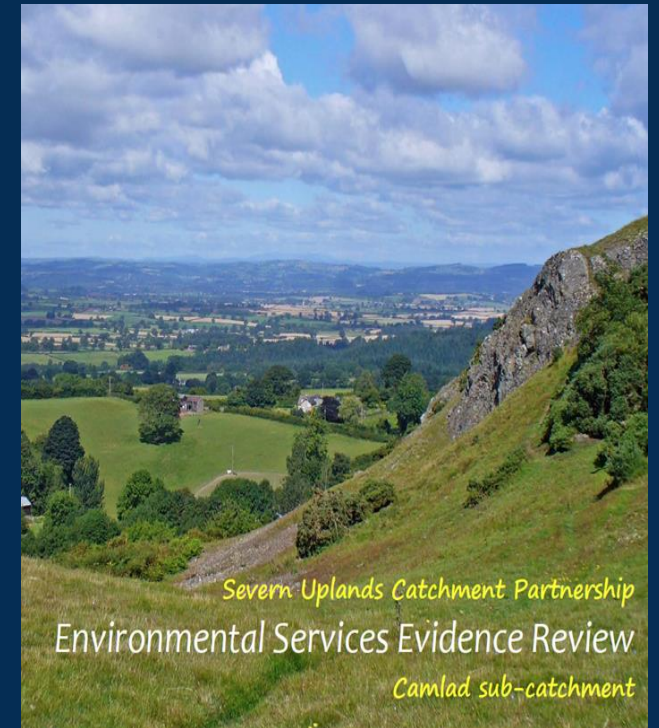
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# CaBA Data Package – 200+ data layers





# Catchment Plans





# About us

An introduction to the Northumberland Rivers Catchment Partnership

Developed by The Rivers Trust

Storymaps and Online Platforms

Welcome To  
HAZEL GROVE  
GOLF CLUB  
Founded 1913

# Community Engagement and Citizen Science



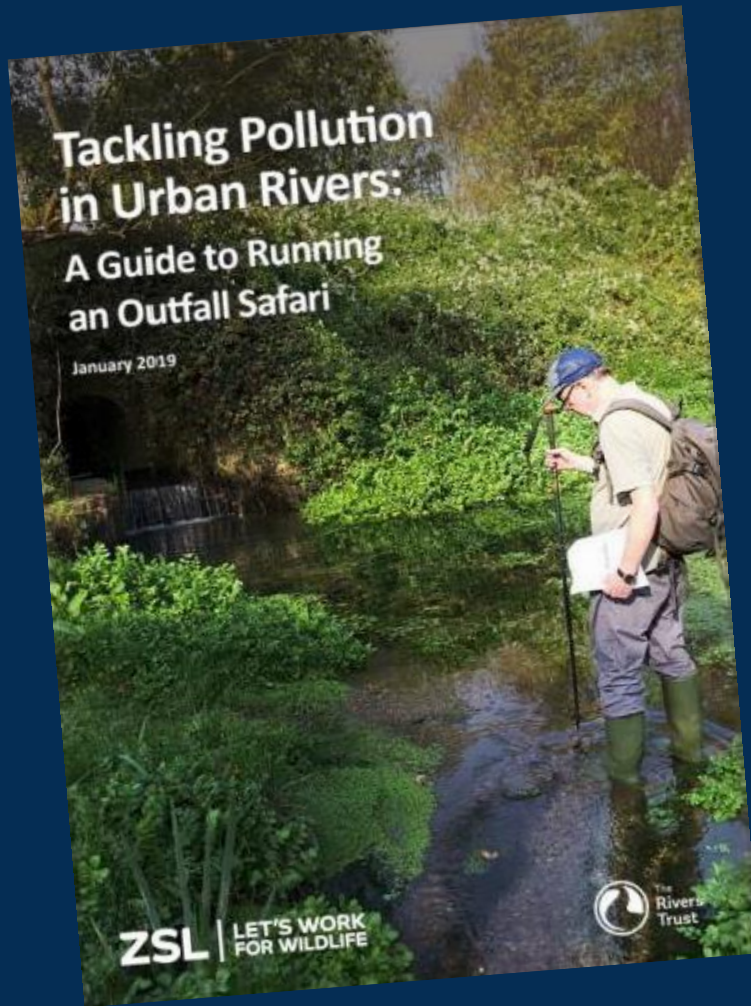
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# Tools and Guidance for Citizen Science and Volunteers



**Catchment Based Approach**  
Partnerships for Action

**Citizen Science and Volunteer Monitoring**  
Resource Pack

The bottom of the page features a row of logos: WaterLIFE (a blue wave), WWF (a black and white panda), The Rivers Trust (a globe with a river), Westcountry Rivers Trust (a blue wave), and Life (the European Union flag).

**WHAT is the Yellow Fish Project**

**YELLOW FISH** is a national scheme that aims to raise awareness about the impact of water pollution on the wildlife of your local streams, rivers, lakes and ponds. The Wildlife Trusts are proud to be able to offer **FREE Yellow Fish** sessions to schools in the South Country.

**YELLOW FISH** is an educational activity, created in collaboration with Cornish Nature, highlighting the damage caused by pouring oil, paint, bleach, motoroil or any other items down the gutter or into the drain. These actions will ultimately cause water pollution and prevent wildlife from thriving in the local environment. The problem is called **oil and paint pollution**, which also includes pollution caused by motor vehicles.

**YELLOW FISH** is an activity that encourages schools using the Yellow Fish project to identify the pollution, demonstrate ways to reduce it, and working to prevent it.

**Why should your school get involved?**

Careless actions can have a huge impact on the local environment and this is a great way to make a difference and achieve sustainable development.

The scheme fits in with the science and PSHE curriculum. It can also be used with other subjects and provide extra context for project work. It has been designed to act as a platform to be built upon and extended.

The bottom half of the page features a photograph of a metal drain grate that is almost completely blocked by a thick, brown, viscous substance, likely oil or paint. The background is a bright yellow.





# Community SuDS Schemes



# Riverfly Monitoring – Assess river health through monitoring of invertebrates

<https://www.riverflies.org/>





# CaSTCo – Catchment Systems Thinking Cooperative

- Creating a step-change in the contribution of Citizen Science & Community Monitoring to evidence-based Integrated Catchment Management
- 24+ UK partners, public, private & civil society
- Co-design a consistent, open information and knowledge sharing platform

<https://theriverstrust.org/our-work/our-projects/castco-catchment-systems-thinking-cooperative>



**Catchment  
Based Approach**

Time is needed to embed a truly collaborative approach to water management

Many elements of the CaBA approach will be applicable elsewhere around the world

<https://www.sciencedirect.com/science/article/abs/pii/S1462901120301519>



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# Thanks