

SmartRivers

MONITORING WITH A MEANING



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What makes SmartRivers different?

Samples are collected by professionally trained volunteers, so the data can go hand in hand with current Environment Agency monitoring

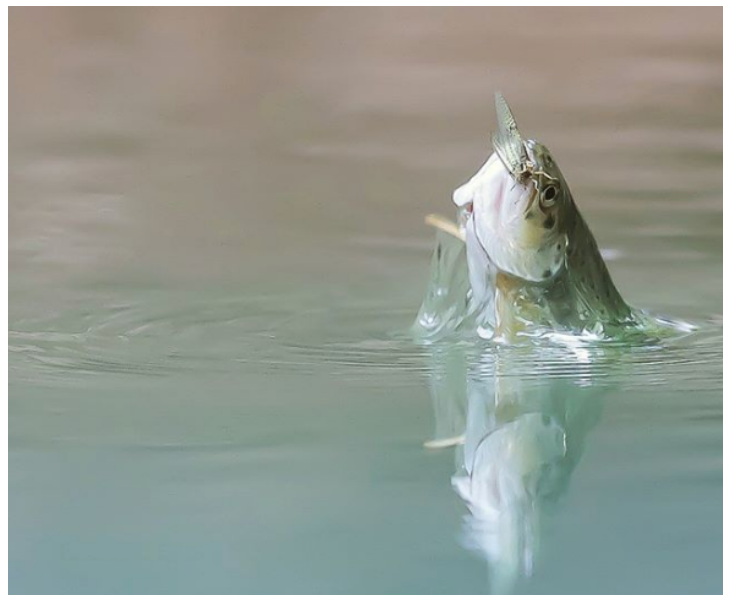
It moves from the river bank to the lab - samples are preserved and identified to species level under a microscope

The species level data is inserted into a unique scientific calculator that generates scores against common river stress types

How will SmartRivers benefit me?

If you're passionate about your river and want to see it beautiful and bursting with life SmartRivers is for you.

Build on the foundations established by our Riverfly Census and go beyond Angler's River Monitoring Initiative (ARMI) monitoring. SmartRivers data pinpoints where problems in your watercourse lie, informing you how to concentrate management efforts for the best results - conserving time and money.





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COSTS

Start-up Costs

THESE COSTS COVER THE START-UP OF SMARTRIVERS ON YOUR RIVER AND ARE A ONE-OFF. THEY COVER PROFESSIONAL BENCHMARKING, TRAINING AND EQUIPMENT.

WE PAY

BENCHMARKING

Collection and species-level ID for five sites in spring and autumn by a professional team.

TOTAL: £3600

YOU PAY

TRAINING: SAMPLING & SORTING

A day sampling training after the spring benchmark samples have been collected. Up to 10 people can attend the course.

TOTAL: £975

TRAINING: IDENTIFICATION

A day course in identifying an invertebrate sample for the hub's benchmarked river using a microscope and the SmartRivers App.

TOTAL: £975

Total start up cost:

**S&TC:
£4200**

**YOU:
£1950**

WE PAY

MICROSCOPE

£600

YOU PAY

OTHER EQUIPMENT
App/Nets/Trays/Alcohol etc.

**Approx.
£250**

Rolling Costs

THESE ARE THE ANNUAL RUNNING COSTS FOR SMARTRIVERS FOLLOWING THE START UP YEAR. THE COSTS WILL VARY DEPENDING ON THE SAMPLING OPTION YOU CHOOSE.

SELECT AN OPTION

OPTION 1: SAMPLE & IDENTIFY

If you choose the sample and identify option, you will be collecting samples at your chosen sites and identifying them to species-level yourself.

You will send your results to us and we will calculate biometric stress scores and provide a report for each sample site.

TOTAL: £750

Annual cost (spring & autumn) for five sites. Exc. VAT

OPTION 2: SAMPLE & SEND

Sample and send entails you collecting samples at your chosen sites, preserving them in alcohol and posting them to a verified laboratory.

We will then analyse your samples to species-level, calculate biometric stress scores and provide you with a report for each sample site.

TOTAL: £1850

Annual cost (spring & autumn) for five sites. Exc. VAT



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FRAMEWORK

THIS IS A STANDARDISED TIMELINE TO ILLUSTRATE THE SMARTRIVERS PROCESS. HOWEVER, THESE CAN BE ADJUSTED ACCORDINGLY TO BEGIN THE PROCESS IN AUTUMN IF REQUIRED.

YEAR ONE

This is where your SmartRivers journey begins! Much of this year will be dedicated to obtaining a solid scientific baseline with a professional sampler. This baseline will become the backbone of all your future sampling and is essential in ensuring action is made on the back of your findings.

TIMELINE ON NEXT PAGE



APR-MAY

Your sites will be professionally sampled to obtain a spring invertebrate benchmark. Prior to this you will be required to provide photographs and grid references of your chosen sample sites.

The day after benchmark sampling you will be trained in sample taking and sorting.

JULY

Your professional benchmark for spring will be reported.

SEP-OCT

The second session of professional sampling will take place to obtain an autumn invertebrate benchmark.

DEC

Your professional benchmark for autumn will be reported.

YEAR TWO

This year will see you finish your training. It will then be up to you to collect and identify your first set of samples. There is an option for everyone, so if it turns out species-level identification is not your cup of tea, we offer a 'sample and send' service.

JAN-MAR

Book a one day workshop to be trained in species-level invertebrate identification, based on the invertebrates found in the professional sampling.

APR-MAY

Over to you! It is now time for you to begin your sampling, starting with collection of a spring sample. After collection, begin the ID process or send to us.

JULY

Upload your results from spring into the database, or if you have opted for 'sample and send' you will receive your results at this time.

SEP-OCT

Collect your second sample of the year and begin the identification process/send to us.

DEC

As in July, upload your results or you will receive them from us.