Introduction

Our vision: “The Bristol Avon Catchment is in good health, has Good Ecological Status and is recognised as a valuable asset to society and the local economy”.

This document provides a summary of all the projects identified in the BACP Action Plan. All projects have been identified through a comprehensive stakeholder engagement process and align with the seven Catchment Goals outlined in the BACP Catchment Plan:

1. Improve Public Understanding and the Value and Services provided by the river catchment
2. Improve Water and Flood Risk Management
3. Improve Land Management and Sustainable Agriculture
4. Improve Waste Water Management
5. Improve River Management to enhance habitat and increase connectivity for fish migration
6. Improve Recreation Management to increase access and use of the water environment
7. Improve Investment Opportunities for partnership led projects that deliver multiple benefits

All projects included in the Action Plan must demonstrate:

- Delivery of improvements to the water environment- linked to Catchment Partnership Goals (see above)
- Development and delivery using a partnership approach- (open, transparent approach, providing links to local community where appropriate)
- Collaboration by multiple organisations- (more than 1 partner involved, alignment of work programmes and funding)
- Multiple benefits- (demonstrate that the project will address more than one water-based issue)

To provide a steer on the current priorities for the BACP over the short-term period, the Steering Group has identified 10 Priority Projects. These were identified in 2018, building on the outputs of the stakeholder workshops (in 2017) and ongoing guidance from delivery partners and the Steering Group. The Priority Projects will be reviewed on an annual basis by the Steering Group.

The projects are available to view on the BACP website via the newly launched ‘Online Projects Map’ www.bristolavoncatchment.co.uk. The Online Projects Map provides a geographic display of the Action Plan. All the projects have been mapped and you can click on each project (via the online map) to find out more information.
BACP Priority Projects Map
### BACP Priority Projects

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<tr>
<td><strong>Mendip Lakes Partnership</strong></td>
<td>Multiple Benefits</td>
<td>Location: Chew Reservoirs. Catchment improvements to improve water quality and enhance habitats. The Partnership provides free specialist advice on soils, nutrients and business management and support on the new Countryside Stewardship schemes to farmers.</td>
<td>Lead Partner: Bristol Water</td>
<td>Project started in October 2014 and is ongoing.</td>
<td>Agriculture diffuse pollution, eutrophication, sedimentation</td>
<td>50 Farmers engaged; Continue with management planning, NVZ checks and support; Infrastructure audit planned to support further investment where appropriate; Organise farmer group meetings to discuss how to deliver this project to obtain the best outcomes; A farmer workshop held annually in spring; Grant scheme established with local farmers. Project aims to reduce loss of nutrients to water bodies. Farmscoper calculation suggests approx. 140kg phosphorus not lost to water bodies as a result of work undertaken during 2017.</td>
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<tr>
<td><strong>North Somerset Levels &amp; Moors Partnership Project</strong></td>
<td>Multiple Benefits</td>
<td>Location: North Somerset Levels and Moors. Work with landowners to improve habitat management for wildlife and to promote soil management to help mitigate flooding, improve water quality and increase habitat for wetland birds.</td>
<td>Lead Partner: Avon Wildlife Trust</td>
<td>Project started in 2015 and is ongoing.</td>
<td>Poor river/ditch management, biodiversity loss, agricultural diffuse pollution</td>
<td>Focussing on protecting Sites of Special Scientific Interest and delivering improvements in the Gordano, Puxton and areas around Tickenham, Kenn and Nailsea Moors. Flyers have been sent to farmers and landowners. Close working relationship with CSF to provide a grant for ditch management. More than 10km of ditch has been restored so far. Support to the local environmental groups. Soil analysis and testing on 15 farms, surveying of vermicide in livestock that impact bird and bat populations. 10km of river length enhanced.</td>
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<tr>
<td><strong>River Frome Reconnected</strong></td>
<td>Feasibility/ Scoping</td>
<td>Location: Bristol Frome. Scope out the key issues for the River Frome and develop a business case to work out how a strategic partnership project can deliver multi benefit improvements for the water environment in the Bristol Frome catchment in the future.</td>
<td>Partners: River Frome Reconnected Partnership (South Gloucestershire Council, Environment Agency, Bristol City Council, Wessex Water, Bristol Avon Catchment Partnership)</td>
<td>Project started in November 2017 and is ongoing.</td>
<td>Flood risk, increasing development pressure, agricultural diffuse pollution</td>
<td>Prioritise and collaboratively agree the key water-based issues, develop a detailed business case and secure funding to deliver a strategic partnership project that will improve the water environment of the Bristol Frome sub-catchment.</td>
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<tr>
<td><strong>Water Space Bath</strong></td>
<td>Delivery</td>
<td>Location: Lower Bristol Avon. This partnership project has been developed to provide an evidence-based, collaborative, strategic action plan to enable sustainable growth and regeneration of the river and canal corridor in Bath &amp; North East Somerset.</td>
<td>Lead Partner: Bath &amp; North East Somerset Council</td>
<td>Project started in January 2016 and is ongoing.</td>
<td>Lack of data/background information, increasing development pressure and poor provision of recreation/amenity</td>
<td>Integrated Work Programme developed; identified 30 priority projects. Extensive consultation process delivered. 102 responses to the Boater Survey, 20 interviews, one focus group, one facilities audit, seven months ecology surveys, 20 events at the River Avon Festival, a Strategic river group formed - Water Space Study and practical project deliver underway - budget £1.2m. 23.5km of the River Avon and 8.5km of the K&amp;A Canal enhanced.</td>
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<tr>
<td><strong>Somerset Frome Partnership Project</strong></td>
<td>Feasibility/ Scoping</td>
<td>Location: Somerset Frome. Develop a business case that will enable a partnership approach to deliver multiple benefits in a joined-up-spray. The feasibility stage will ultimately help to reduce surface water run-off from rural areas helping to alleviate flood risk downstream; Improve water quality - agricultural inputs; install NFM measures in upper catchment; Install in-river works- help improve fish passage/migration; Improve recreational use and monitor WQ and flow.</td>
<td>Lead Partner: FWAG SW</td>
<td>Project started in June 2018 and is ongoing.</td>
<td>Agricultural diffuse pollution, flood risk and barriers to fish</td>
<td>Phase 1. Project development engagement, data review, co-ordination. Identify funding for delivering improvements to the water environment. Phase 2. Upstream of Frome town. Better understanding of solutions for weirs above Frome to enhance fish passage. Farmer engagement re diffuse pollution and NFM. Phase 3. Wider catchment deliver fisheries and water quality improvements. 44.21km of river length enhanced during Phase 2. 118.8km of river length enhanced during Phase 3.</td>
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<tr>
<td><strong>River Chew Partnership Project</strong></td>
<td>Multiple Benefits</td>
<td>Location: Chew This Partnership Project is currently in development, BART is leading on bringing together key stakeholders to identify the key water-based issues and agree a joint way forward. There is potential to trial a number of NFM techniques that will impact on all aspects of the local water resources (hydrological, ecological and recreational) whilst also benefiting downstream communities of Keynsham and Bristol.</td>
<td>Lead Partners: Bristol Avon Rivers Trust</td>
<td>Project started in 2018 and is ongoing.</td>
<td>Barriers to fish, flood risk and poor water management</td>
<td>During the initial project development partners will identify and agree the priority projects to be delivered in partnership to address the key water-based issues. The project will also identify funding to deliver future projects in partnership. Some of the outcomes will include: River length restored, decrease in diffuse pollution, reduction in flood risk, increase in biodiversity, migratory barriers made possible.</td>
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</table>
### Project Name: Bydemill Brook/South Brook Partnership Project
- **Type Of Project:** Feasibility/ Scoping
- **Project Description:** Location: Upper Bristol Avon (Corsham/Melksham area). The project aims to develop a business case that will enable a partnership approach to deliver multiple benefits in a more joined-up approach. Some of the benefits that will ultimately be delivered include: help reduce surface run-off from rural areas helping to alleviate flood risk downstream; improve water quality; Install NFM measures in upper catchment; install in-river works- help improve fish passage/migration; improve recreational use.
- **Project Partners:** Lead Partners: Bristol Avon Rivers Trust
- **Timeframes:** Project started in June 2018 and is ongoing.
- **Key Issues:** Flood risk, agricultural diffuse pollution and poor river management
- **Other Issues:** Barriers to fish
- **Outcomes delivered:** The initial feasibility stage will deliver an agreed Work Programme that identifies priority projects to be delivered in partnership to address the key water-based issues in this area. The project will also identify funding to deliver projects beyond June 2019.

### Project Name: Catchment Fisheries Strategy
- **Type Of Project:** Strategic
- **Project Description:** Location: Catchment Wide
  A Catchment Fisheries Strategy is required to: comprehensively identify the fish barriers/opportunities across the catchment; provide information to help address and improve fish habitat; identify areas for river restoration and WFD failures. The Fisheries Strategy helps to identify how fisheries improvements can be built into existing and developing projects to deliver multiple benefits projects.
- **Project Partners:** Lead Partners: Bristol Avon Rivers Trust
  Supporting Partners: Environment Agency, Wild Trout Trust, Local Fishing Clubs, Bristol Avon Catchment Partnership
- **Timeframes:** Project started in 2017 and is ongoing.
- **Key Issues:** Barriers to fish, lack of funding and poor river management
- **Outcomes delivered:** BART are continuing to work with the EA and local fishing clubs/interest groups to identify opportunities for including improvements to fish populations in multiple benefit projects across the catchment.

### Project Name: Brinkworth Brook Partnership Project
- **Type Of Project:** Multiple Benefits
- **Project Description:** Location: Brinkworth Brook
  Wessex Water is delivering a pilot scheme with farmers to reduce levels of phosphorus from agricultural inputs in the Brinkworth sub-catchment. There is an opportunity to deliver a multiple benefits/ NFM partnership project in tandem with the existing land management advice to reduce diffuse pollution.
- **Project Partners:** Partners: Wessex Water, Environment Agency, Natural England (Catchment Sensitive Farming - CSF), Wiltshire Wildlife Trust, Bristol Avon Catchment Partnership
- **Timeframes:** N/A
- **Key Issues:** Agricultural diffuse pollution, flood risk and poor river management
- **Outcomes delivered:** N/A

### Project Name: Restore the Rivers of Trowbridge
- **Type Of Project:** Feasibility/ Scoping
- **Project Description:** Location: Biss
  This potential project could provide multiple benefits to the river landscape within and upstream of Trowbridge by addressing water quality, habitat and amenity issues in one project. There are five priority structures blocking fish passage in the river (2 are EA assets).
- **Timeframes:** N/A
- **Key Issues:** Increasing development pressure, flood risk and barriers to fish
- **Other Issues:** Biodiversity loss, agricultural diffuse pollution, point source pollution
- **Outcomes delivered:** Initially a feasibility study needs to be delivered that identifies the key water-based issues and opportunities and identifying funding that enables this project to be developed further and delivered in partnership.

### Project Name: Extended WaterSpace Study
- **Type Of Project:** Feasibility/ Scoping
- **Project Description:** Location: Upstream/Downstream of WaterSpace Bath project
  Collaborative work programme for delivering partnership improvements to the River Avon corridor and associated land- cross authority boundary approach to delivering improvement to various water-based issues. Potential to extend WSS model both upstream into Wiltshire and downstream into Bristol.
- **Project Partners:** Partners: Bath & North East Somerset Council, Bristol Avon Catchment Partnership
- **Timeframes:** N/A
- **Key Issues:** Increasing development pressure, lack of public understanding/engagement and lack of Funding
- **Outcomes delivered:** N/A
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| Wellow & Cam Initiative                          | Delivery        | Location: Cam Midford Various projects delivered as part of this initiative include: Large Woody Debris (LWD), weir removals, weir removal feasibility studies, coppicing, fencing, improvements to spawning gravels in stream, etc. | Lead Partner: Bristol Avon Rivers Trust  
Supporting Partners: Avon and Tributaries Angling Association | Project started in 2014 and is ongoing. | Poor river management, barriers to fish and sedimentation  
Other Issues: Agricultural diffuse pollution, poor provision of recreation/access | Cleaner spawning gravels, reduced sedimentation, coppicing to appropriate levels, weir removals, 'Opportunities and Challenges' document created in-kind by BART.  
5km of river length enhanced. |
| Magnificent Marden                               | Delivery        | Location: Marden This project has focussed on river restoration work to help reduce the impacts of over-widening and straightening of the river, bank erosion and previous impoundment which has led to the smothering of substrates essential for invertebrates and trout spawning. Boulder weir removals along the river to help ease fish passage as well as pre-feasibility studies on their impounding weir structures. Lots of land management issues recorded and funding being sought. | Lead Partner: Bristol Avon Rivers Trust  
Supporting Partners: Environment Agency | Project started in 2015 and is ongoing. | Poor river management, barriers to fish and agricultural diffuse pollution  
Other Issues: Sedimentation, eutrophication, eel passage | Several km's of Large Woody Debris installed to improve the morphology of the river and habitat for fish. 2 boulder weirs removed. Pre-feasibility studies of 3 other weirs conducted.  
3km of river length enhanced. |
| Semington Brook Project                          | Multiple Benefits| Location: Semington Brook The first stage of this project focussed on feasibility work and included walk-over surveys to identify issues and opportunities. The second stage of the project is addressing the high phosphate levels, sediment loads and a reduction in natural habitat which are causing significant issues on the watercourse. | Lead Partner: Wiltshire Wildlife Trust  
Other Issues: River ecology, water quality, river management. | During Stage 1: Set up a volunteer group to tackle invasive species, delivered work to limit soils and sediment entering the stream, some in-stream river restoration, & water quality monitoring. Stage 2 will deliver landowner liaison, advisory visits and the delivery of small example projects which are essential to lay the foundation for future works in a local community where river restoration is a relatively new concept.  
2km of river length enhanced. |
| Nailsea Multi-Functional Constructed Wetland      | Feasibility/ Scoping | Location: Kenn A partnership led project to provide detailed design to identify how a multifunctional wetland can be implemented. This will build on work that has previously been delivered in stage 1 of the scoping process. | Lead Partner: North Somerset Council  
Other Issues: Flood Risk, poor provision of recreational space/access, biodiversity loss | This partnership project will carry out detailed design work to identify how a multifunctional wetland can be implemented in the Nailsea region. The intention is that the outcome of this feasibility study will inform solutions and funding contributions from partners post 2020. |
| Bydernill Brook Natural Flood Management (NFM) Pilot | Delivery | Location: Upper Bristol Avon This Pilot Project will deliver Natural Flood Management (NFM) interventions to help slow the surface water flow and improve water quality for Corsham, Wiltshire | Lead Partner: Bristol Avon Rivers Trust  
SW | Project started in December 2017 and is ongoing. | Flood risk, sedimentation and diffuse and point source pollution  
Other Issues: Biodiversity, fish passage | Walk over surveys to identify NFM opportunities. Agreed Action Plan of NFM priorities. Delivery of NFM interventions upstream of Corsham. |
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<td>Bath &amp; North East Somerset (B&amp;NES) Natural Flood Management Trial</td>
<td>Delivery</td>
<td>Location: Lower Bristol Avon Flood &amp; Drainage Team has identified 4 locations within the Bath &amp; North East Somerset area that have previously flooded, now working with FWAG SW and local landowners to implement natural flood management solutions to help reduce flood risk in the future. This project aims to improve biodiversity and habitat for flow-loving, gravel spawning fish including wild brown trout.</td>
<td>Lead Partner: Bath &amp; North East Somerset Council&lt;br&gt;Supporting Partners: FWAG SW</td>
<td>Project started on the 1st of January 2017 and is ongoing.</td>
<td>Key Issues: Poor river management, flood risk, sedimentation and agricultural diffuse pollution</td>
<td>This Trial is working with farmers within the Bath &amp; North East Somerset area to provide advice on farm management to help reduce run-off and erosion within fields and to also help attenuate, divert and slow and filter surface water and erosion run-off. Two phases of work are proposed: 3 small habitat enhancement projects and investigate sources of excess nutrient into the river. 0.5km of river length enhanced.</td>
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<tr>
<td>Rode River Restoration Project</td>
<td>Delivery</td>
<td>Location: Somerset Frome This project is focused on improving the river habitat and delivering river restoration work. Wood won from coppicing will be used to create brushwood berms to improve fish cover within the river. These berms will also act as access points to improve fishing for members of the Warminster &amp; District Angling Club.</td>
<td>Lead Partner: Bristol Avon Rivers Trust&lt;br&gt;Supporting Partners: Frome Angling Club</td>
<td>Project started in November 2017 and is ongoing.</td>
<td>Other Issues: Poor river management, barriers to fish and sedimentation</td>
<td>This project has delivered: 1.2km of improved fish cover and habitat; 1.2km of riparian trees coppiced to allow light into the river, increasing productivity and public enjoyment of the river; At least 8 people trained to monitor macro-invertebrates on a monthly basis. 1.2km of river length enhanced.</td>
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<tr>
<td>Chipping Sodbury Small Habitat Improvements Project</td>
<td>Delivery</td>
<td>Location: Bristol Frome The project is focussed on the River Frome in Chipping Sodbury and aims to improve biodiversity and habitat for flow-loving, gravel spawning fish including wild brown trout.</td>
<td>Lead Partner: Wild Trout Trust&lt;br&gt;Supporting Partners: Environment Agency, Bristol Avon Rivers Trust, South Gloucestershire Council, Avon Frome Partnership</td>
<td>Project started in June 2018 and is ongoing.</td>
<td>Key Issues: Poor river management, lack of data/background information and sedimentation</td>
<td>Two phases of work are proposed: 3 small habitat enhancement projects and investigate sources of excess nutrient into the river. 0.5km of river length enhanced.</td>
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<tr>
<td>Little Avon Restoration Project</td>
<td>Feasibility/ Scoping</td>
<td>Location: Little Avon Potential to develop a partnership project to address diffuse pollution issues, improve river habitat and fish passage</td>
<td>Lead Partner: Bristol Avon Rivers Trust&lt;br&gt;Supporting Partners: None as of yet</td>
<td>Project started in 2018 and is ongoing.</td>
<td>Other Issues: Poor river management, barriers to fish and increasing development pressure</td>
<td>The Project is currently in the development stage with a possible delivery of a small start-up project by Winter 2018. 1km of river length enhanced.</td>
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<td>Water Stories</td>
<td>Education/ Engagement</td>
<td>Location: Catchment Wide This project will help to raise awareness and educate stakeholders that the BACP has not managed to previously engage with, helping to inform and adapt behaviours to improve communications relating to the water environment (academic/social/health/sectors, etc)</td>
<td>Lead Partner: The Natural History Consortium&lt;br&gt;Supporting Partners: University of Bath, Bath and North East Somerset Council, DEFRA</td>
<td>Project started in April 2018 and is ongoing.</td>
<td>Other Issues: Sedimentation, eutrophication, eel passage</td>
<td>One of the main outcomes of the project will be to engage with more people, and a greater diversity of people, about the Bristol Avon Catchment and the relevant research and ongoing opportunities to collaborate across sectors to help improve the water environment.</td>
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<tr>
<td>Bristol Water River Chew Project</td>
<td>Multiple Benefits</td>
<td>Location: Chew This project will assess the effects of the reservoir on the rivers downstream in terms of Water Framework Directive (WFD). Trials of options to mitigate impacts, including altered compensation flows, flushing releases, river restoration, work with landowners to reduce silt ingress will be delivered. These interventions will then be adapted according to ongoing monitoring, in order to achieve an ecological benefit and such that Good Ecological Potential can be assigned.</td>
<td>Lead Partner: Bristol Water&lt;br&gt;Supporting Partners: Bristol Avon Rivers Trust</td>
<td>Project started in March 2015 and is ongoing.</td>
<td>Other Issues: Poor river management, barriers to fish and sedimentation</td>
<td>This is a long-term project which is aimed to improve ecology as indicated mainly by improved abundance and diversity of macroinvertebrates and fish. 3km of river length enhanced.</td>
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| Bristol Water River Congressbury Yeo Project     | Multiple Benefits| Location: Congresbury Yeo and Banwell  
This project will assess the impacts of the reservoir on the rivers downstream in terms of Water Framework Directive (WFD). Trials of options to mitigate impacts, including altered compensation flows, flushing releases, river restoration, work with landowners to reduce silt ingress will be delivered. These interventions will then be adapted according to ongoing monitoring, in order to achieve an ecological benefit and such that Good Ecological Potential can be assigned.  
Lead Partner: Bristol Water  
Supporting Partners: Bristol Avon Rivers Trust                                                                                       | Project started in March 2015 and is ongoing.                                                                                                              | Key Issues: Poor river management, barriers to fish and sedimentation  
Other Issues: Eel passage, water quality, biodiversity loss, access management  | This is a long-term project which is aimed to improve ecology as indicated mainly by improved abundance and diversity of macroinvertebrates and fish  
7.5km of river length enhanced. |
| Wessex Diffuse Pollution Reduction Plan          | Education/ Engagement | Location: Catchment Wide  
The purpose of the plan is to identify - key sources of water pollution causing failures across Wessex; key measures farmers should consider putting in place to improve farm nutrient and soil management efficiencies to reduce diffuse pollution and improve the environment and farm profitability, without compromising food production  
Lead Partner: Environment Agency  
Supporting Partners: Catchment Partnerships in the Wessex Region (Dorset, Hampshire Avon, Bristol Avon, West and South Somerset), NFU, Wessex Water, Bristol Water, FWAG SW                                                                 | Project started in 2014 and is ongoing.                                                                                                                     | Key Issues: Agricultural diffuse pollution, lack of funding and lack of data/background information  | This collaborative approach defines how partners will work together to assist farms in achieving these diffuse pollution objectives and maximising the outcomes that are delivered through partnership working  |
| Bristol Avon Citizen Science Project             | Education/ Engagement | Location: Catchment Wide  
The sub-projects delivered via this Project worked with a variety of community groups, individuals and landowners to gain an understanding of water issues in the catchment and increase citizen science monitoring. This project encompassed the following work programmes: Riverfly Monitoring, WaterBlitz, LocATE, Eels in the Classroom.  
Lead Partner: Bristol Avon Rivers Trust  
Other Issues: Increasing education related to water-based issues across the catchment  | In 2017 the project engaged and worked with: 8 Riverfly monitors over 12 months; 5 Primary school monitoring sessions; 5 farmer monitors over 5 months; 8 community group monitors over 5 months. Over 200 members of the public engaged during the Waterblitz 2017 event; 176 samples were taken by 375 people across the Bristol Avon Catchment.  |
| Your Fisheries                                  | Strategic         | Location: Catchment Wide  
This Project liaised with Angling Clubs and the Environment Agency to discuss, share and trial the ‘Your Fisheries’ System that was being piloted nationally. This innovative new fisheries data system aimed to improve assessments of fish stocks within the Bristol Avon Catchment.  
Lead Partner: Bristol Avon Rivers Trust  
Supporting Partners: FWAG SW, Avon Frome Partnership, Environment Agency, South Gloucestershire Council                                                                 | Project started in 2016 and is ongoing.                                                                                                                      | Key Issues: Lack of public understanding/engagement, lack of data/background information and biodiversity loss  | The project provided a simple and consistent mechanism for collating and sharing fisheries related knowledge and evidence between public, private and third sector organisations to reach a consensus view on the condition of fish stocks, angling opportunities, and the actions required to improve and/or maintain them within 3 sub-catchments in the Bristol Avon Catchment: Somerset Frome, Bristol Frome and LittleAvon. |
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<tr>
<td>Bristol Frome Diffuse Pollution Project</td>
<td>Delivery</td>
<td>Location: Bristol Frome This project focused on offering support and help to farmers to reduce diffuse pollution. Farm advisers offered help with farm improvement plans, advice, soil testing and nutrient management plans and quick win farm infrastructure improvements. Worked with a local farmer to establish a demonstration farm. Educated and inspired local communities to take action to improve their water environment.</td>
<td>Lead Partner: Bristol Avon Rivers Trust</td>
<td>This project started in 2015 and finished in 2016.</td>
<td>Lack of data/background information, agricultural diffuse pollution and point source pollution sedimentation, eutrophication, eel passage</td>
<td>The Project made contact with 30 landowners, farm plans and reports were produced for 10 farms. One significant project (£25,000): slurry and surface water management; 120 yards of ditch management, and 700 m of fencing was also delivered. The Project funded Riverfly monitoring equipment and organised a litter picking event.</td>
</tr>
<tr>
<td>Bristol Frome Restored</td>
<td>Multiple Benefits</td>
<td>Location: Bristol Frome The aim of this project was to maintain a focus on improvements within the Bristol Frome and its tributaries which led to improved ecological status.</td>
<td>Lead Partner: Bristol Avon Rivers Trust</td>
<td>This project started in 2016 and finished in 2017.</td>
<td>Poor river management, agricultural diffuse pollution and biodiversity loss Sedimentation, eutrophication, eel passage</td>
<td>The Project delivered farm improvements and in-stream habitat improvements; this included Habitat work, farm work and monitoring training to improve river habitat and water quality. 2.9km of river length enhanced.</td>
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<tr>
<td>Somerset Frome Diffuse Pollution Pathways Project</td>
<td>Feasibility/ Scoping</td>
<td>Location: Somerset Frome The project used predominantly field surveys to identify where sediment is entering watercourses in the upper catchment and to determine sources of this sediment. Also included a public engagement exercise to increase local awareness of the issues surrounding erosion risk and diffuse pollution.</td>
<td>Lead Partner: Bristol Avon Rivers Trust</td>
<td>This project started in 2016 and finished in 2017.</td>
<td>Lack of data/background information and agricultural diffuse pollution</td>
<td>Outputs of project included: desk top study; field surveys (sediment pathways recorded); public engagement with 8 local farmers and collaborative working with local community group (Friends of the River Frome)</td>
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<td>Sherston River Improvement Project (SHRIMP)</td>
<td>Delivery</td>
<td>Location: Sherston Avon This community project helped to restore a section of river near the village of Sherston, the river had previously been dredged and suffered bank degradation by cattle poaching</td>
<td>Lead Partner: Bristol Avon Rivers Trust</td>
<td>This project started in 2015 and finished in 2016.</td>
<td>Sedimentation, poor river management and poor provision of recreation/amenity Agricultural diffuse pollution</td>
<td>The Project restored a section of river (4 flow deflectors, 5 brushwood berms and coppicing). Enhanced 2 wildflower meadows and promoted public access/awareness about the work carried 0.5km of river length enhanced.</td>
</tr>
<tr>
<td>Our Wonderful Wellow</td>
<td>Delivery</td>
<td>Location: Cam Midford The project involved a program of coppicing throughout the project stretch which was currently a tunnelled canopy with limited light able to enter the river. This affected the productivity of the river, including reducing the abundance of water crowfoot which is an important macrophyte for invertebrates as well as for fish cover. It was also reducing views into the river and therefore public enjoyment, as well as the potential to spot issues such as pollution events.</td>
<td>Lead Partner: Bristol Avon Rivers Trust</td>
<td>This project started in April 2017 and finished in November 2017.</td>
<td>Poor river management, biodiversity loss and lack of public understanding/engagement</td>
<td>The Project delivered a program of coppicing work and installed Large Woody Debris on the River Wellow near to Stoney Littleton. This enabled more light to enter the river corridor helping to improve biodiversity of the river and improving views/access for local communities. 1.6km of river length enhanced.</td>
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| Bristol Avon WaterBlitz 2016 | Education/ Engagement | A 2-week long citizen science water quality monitoring project was organised for the first time in the catchment by the BACP. Water quality sampling kits were distributed to interested members of the public to participate and help to capture a snapshot of the health of the water environment. | Lead Partner: Bristol Avon Catchment Partnership  
Supporting Partners: FreshWater Watch, Bristol Natural History Consortium | This project started in April 2016 and finished in July 2016. | Key Issues: Lack of public understanding/engagement, lack of data/background information and eutrophication | 92 water quality samples were taken by 170 participants from across the catchment. Each sample measured the Nitrate and Phosphate levels of the watercourse and recorded basic information such as bankside vegetation. |
| Bristol Avon WaterBlitz 2017 | Education/ Engagement | A citizen science campaign to collect as many water quality samples as possible in a week across the catchment. By using the free and simple water testing kits, volunteers/members of the public sampled their chosen river or stream in the catchment. All water quality sample results were submitted to FreshWaterWatch via their online system, the data was recorded on a map to provide a ‘snap shot’ on nitrate and phosphate levels across the catchment. | Lead Partner: Bristol Avon Rivers Trust  
Supporting Partners: Bristol Avon Catchment Partnership, Bristol Natural History Consortium, FreshWater Watch | This project started in April 2017 and finished in September 2017. | Key Issues: Lack of public understanding/engagement, lack of data/background information and eutrophication | From 10-16th June 2017, 176 water quality samples were taken by 375 participants. Samples were taken across the whole of the Bristol Avon Catchment, often samples were taken on streams or smaller watercourses that are not monitored via the EA. |
| Bristol Avon WaterBlitz 2018 | Education/ Engagement | A citizen science campaign to collect as many water quality samples as possible in a week across the catchment. The WaterBlitz will run in June 2018. By using the free and simple water testing kit, volunteers/members of the public can sample their chosen river or stream in the catchment. | Lead Partner: Bristol Avon Rivers Trust  
Supporting Partners: Bristol Avon Catchment Partnership, Bristol Natural History Consortium, FreshWater Watch | This project started in April 2018 and finished in September 2018. | Key Issues: Lack of public understanding/engagement, lack of data/background information and poor water management | From 23-29th June 2018, 120 water quality samples were taken by 260 participants across the Bristol Avon Catchment. All of the results collected by members of the public were uploaded to the FreshWater Watch online results map for wider viewing. |
| River Remedies Social Prescribing Pilot | Delivery | The Project aimed to demonstrate the use of river-based activities as a social prescription trial. A method of measuring changes in the wellbeing of two patient groups was captured via this trial. The Pilot also helped to raise awareness of the potential for patients participating in this trial to volunteer on projects with BART in the future. | Lead Partner: Eunomia Research & Consulting Ltd  
Supporting Partners: Bristol Avon Rivers Trust, South Gloucestershire Council, Environment Agency | This project started on the 1st February 2018 and finished on the 30th May 2018. | Key Issues: Lack of public understanding/engagement, lack of data/background information and lack of access | The project worked with 7 adults and 7 young people with anxiety/depression or behavioural issues. Overall wellbeing scores of the patients improved over 6 weeks (insufficient data to prove statistical significance) and a potentially serious mental health crisis was averted as a result of the contact. Several participants indicated that they would look for further volunteering issues with BART after the pilot completed. Template and key learnings for use in other catchments/rivers was established for national dissemination. |
# BACP Completed Projects

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Type Of Project</th>
<th>Project Description</th>
<th>Project Partners</th>
<th>Timeframes</th>
<th>Key Issues</th>
<th>Outcomes delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-Introducing Grazing at Chitting Warth Saltmarsh Project</td>
<td>Delivery</td>
<td>Location: Bristol North Rhynes This project enabled an area of grazing marsh at Chitting Warth which has been unmanaged for at least 25 years to be brought back into sustainable management.</td>
<td>Lead Partner: South Gloucestershire Council Supporting Partners: The Bristol Port Company, Natural England, FWAG SW</td>
<td>This project started in 2016 and finished in 2017.</td>
<td>Key Issues: Biodiversity loss, lack of funding and flood risk Other Issues: Failing SSSI (Saltmarsh in poor condition)</td>
<td>As part of this project new fencing was installed which enabled a grazier to be sought and saltmarsh is now grazed on a regular basis. This also created a new source of grazing created for local farmers. Overall the biodiversity and condition of the SSSI saltmarsh has noticeably improved since the grazing has been re-introduced.</td>
</tr>
<tr>
<td>Sustainable Prescribing Business Case</td>
<td>Feasibility/ Scoping</td>
<td>Location: Catchment Wide Building a business case to identify how a major sustainable prescribing initiative could be delivered across the catchment, including identification of potential funding streams.</td>
<td>Lead Partner: Eunomia Research &amp; Consulting Ltd Supporting Partners: Wessex Water</td>
<td>This project started on the 1st August 2017 and finished on the 26th February 2018.</td>
<td>Key Issues: Lack of public understanding/engagement, lack of data/background information and point source pollution</td>
<td>This project increased awareness in the public health teams and water companies so that they could see the potential of co-funding projects that improved health and protected the water environment. It led directly to a trial project in South Gloucestershire on the River Frome which built a partnership between the local authority public health team and BART.</td>
</tr>
<tr>
<td>Adaptation and Resilience Framework (A&amp;RF) for the Bristol Avon Catchment</td>
<td>Strategic</td>
<td>Location: Bristol Frome The A&amp;RF provides a long-term approach to sustainable, collaborative spatial planning in the region. The Framework highlights where collaboration through improved cross-sector working will enable greater understanding and planning for complex issues. This will enable decisions to be based on wider identified risks, wider costed solutions and routes to deliver through partnership working.</td>
<td>Lead Partner: Wessex Water Supporting Partners: Environment Agency, Natural England, Forestry Commission, West of England Combined Authorities, Bristol City Council, Bath &amp; North East Somerset Council, South Gloucestershire Council, North Somerset Council, Wiltshire Council, West of England Local Enterprise Partnership, Swindon &amp; Wiltshire Local Enterprise Partnership, Bristol Water, West of England Nature Partnership, Bristol Avon Catchment Partnership, Wiltshire Wildlife Trust</td>
<td>This project started in 2016 and finished in 2018.</td>
<td>Key Issues: Increasing development pressure, lack of funding and lack of data/background information Other Issues: Increasing climate change impacts</td>
<td>The A&amp;RF was included in the Wessex Water PR19 Business Plan to inform the approach to resilience of the natural environment. The A&amp;RF has also provided technical input into the consultation responses to the Joint Spatial Plan in the West of England and helped to update local plans. Supporting the A&amp;RF is a Catchment Adaptation &amp; Resilience Specialist, this role has offered technical support and input to the Joint Spatial Plan Policy 5-place shaping principles to mitigate and adapt to climate change.</td>
</tr>
<tr>
<td>Great Flood Project</td>
<td>Education/ Engagement</td>
<td>Location: Chew Throughout 2018, West of England Rural Network (WERN) is supporting communities along the Chew Valley and Keynsham in commemorative activities in this 50th year since the Great Flood of 10 &amp; 11 July 1968. WERN is also supporting these communities towards better flood resilience going forward.</td>
<td>Lead Partner: West of England Rural Network Supporting Partners: Bath &amp; North East Somerset Council, Environment Agency, Local Community Groups</td>
<td>This project started in March 2018 and finished in November 2018.</td>
<td>Key Issues: Flood risk and lack of public understanding/engagement</td>
<td>11 community events delivered. Delivered 2 school events and supported local children with resilience awareness work. Raised awareness, local education on flooding, enablement of communities working together. Support local community literature/local films and audio. Coordinating an archive to signpost all relevant flood literature</td>
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### BACP Proposed Projects

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<thead>
<tr>
<th>Project Name</th>
<th>Type Of Project</th>
<th>Project Description</th>
<th>Project Partners</th>
<th>Project Dates</th>
<th>Key Issues</th>
</tr>
</thead>
</table>
| Oldbury Naite Rhines               | Delivery        | Location: Bristol North Rhynes Potential to build on AFL Project and work with farmers to deliver multiple benefits. WFD status is poor for fish and phosphate. Highlighted as an opportunity area for wetland creation, habitat and flood risk. | Lead Partner: FWAG SW  
Supporting Partners: AFL Partnership, Environment Agency, Local Landowners     | This project has not started yet.                                                 | Key Issues: Agricultural diffuse pollution, poor river management and lack of funding |
| SHRIMP 2                           | Delivery        | Location: Sherston Avon To deliver improvements identified during the small pilot (SHRIMP) project and the Upper Avon Sediment Pathways Project for more extensive river restoration works in the Upper Avon from the source to Easton Grey. | Lead Partner: Bristol Avon Rivers Trust  
Supporting Partners: Environment Agency                                                   | This project has not started yet.                                                 | Key Issues: Agricultural diffuse pollution, poor river management and lack of funding |
| Source to Sea                      | Multiple Benefits | Location: Catchment Wide Multiple benefit landscape scheme – ecosystem management for the River Avon. Potential public and community engagement project to increase use of River Avon as green/blue corridor for recreation and tourism. | Lead Partner to be confirmed  
Supporting Partners: Bath & North East Somerset Council, Bristol Avon Catchment Partnership, Environment Agency, Bristol Avon Rivers Trust | This project has not started yet.                                                 | Key Issues: Poor provision of recreation/amenity, lack of access and increasing development pressure |
| ByBrook Headwaters Natural Flood Management Project | Feasibility/ Scoping | Location: By Brook Potential to develop a pilot project in the upper reaches of the ByBrook to help reduce flood risk downstream by implementing NFM measures to slow the flow. This could also reduce diffuse pollution and enable the river to function more naturally. | Lead Partner to be confirmed  
Supporting Partners: Environment Agency, Bristol Avon Rivers Trust, Wiltshire Wildlife Trust, Wild Trout Trust, Local Action Groups/Community Group | This project has not started yet.                                                 | Key Issues: Flood risk, barriers to fish and lack of funding |
| Upper Avon Restoration Project     | Multiple Benefits | Location: Upper Bristol Avon Large scale river restoration opportunity, including: weir removal, river restoration, improved fish passage, reduced flood risk through increased floodplain connectivity. | Lead Partner to be confirmed  
Supporting Partners: Environment Agency, Bristol Avon Rivers Trust, Wiltshire Wildlife Trust | This project has not started yet.                                                 | Key Issues: Flood risk, barriers to fish and lack of funding |

All information referenced in this document is accurate based on data provided by a range of partners in October 2018. This document has been published on behalf of the Bristol Avon Catchment Partnership.