

Ecclesbourne Way

Creation of an 11-mile walking route with interpretation between Duffield and Wirksworth

- Improvement of rights of way by installing wicket gates, steps, finger posts and way markers.
- Installation of 5 interpretation panels along the route.
- Installation of bird and bat boxes.
- Production of leaflet for walkers.
- £27k of funding secured from SITA , Severn Trent Water, Environment Agency, The Banister Trust, Foundation Derbyshire, Wirksworth Town Council and Duffield Parish Council.
- Lead organisation: Derbyshire Wildlife Trust



CATCHMENT PARTNERSHIP



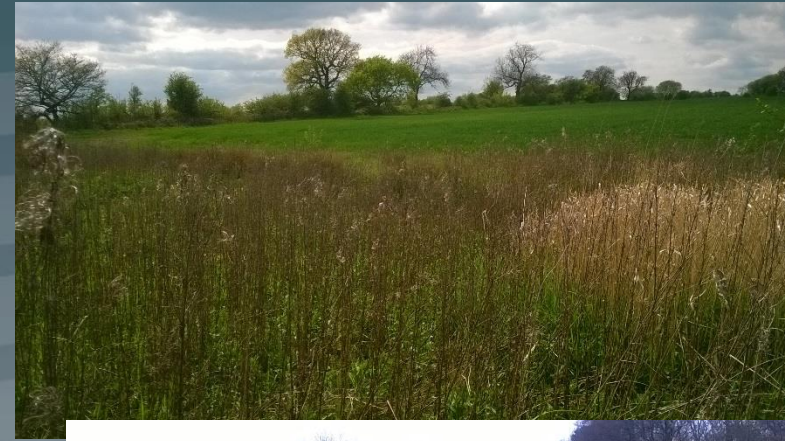
In Duffield, the Ecclesbourne meets the River Derwent, which eventually flows into the Humber Estuary and the



Living Amber: catchment-wetland restoration

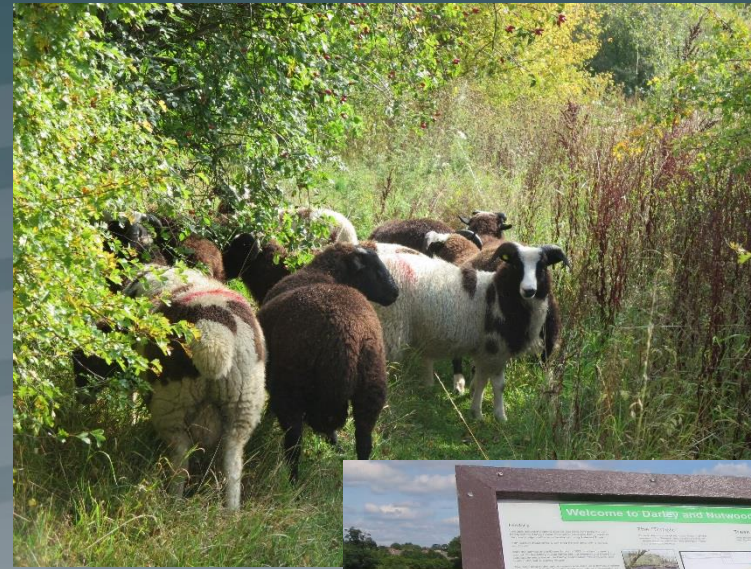
Creation and enhancement of wetland areas in the Amber catchment

- Creation of model wetland areas at Dale Cottage Farm, near Wessington.
- Creation of wetland area at Banks Farm, Newton.
- Enhancement of wetland area at Doe Hill Community Park.
- Creation of footpath, pond and meadow enhancement at Hilcote Community Site, Pasture Lane.
- Installation of cattle drinking areas at Brookside Farm, Kelstedge.
- £50k funding received from Biffa
- Lead organisation: Derbyshire Wildlife Trust



Darley & Nutwood Local Nature Reserve

- Grazing project
- Interpretation boards funded by DerwentWISE
- Entrance gates and fencing
- Pyramidal orchid conservation area



CATCHMENT PARTNERSHIP



Cromford Canal SSSI

- Major leaks repaired
- Storm water overflow constructed
- Tree work undertaken
- Canal water channel managed
- £11,000 leak repair
- DCC funded £60,000 overflow construction included £20,000 from Natural England CES grant, £24,000 EA flood mitigation
- DCC manage Cromford canal with support from Natural England, DWT, Friends of Cromford Canal
- Lead Organisation: **Derbyshire County Council**



CATCHMENT PARTNERSHIP

Cromford Canal towpath improvements



CATCHMENT PARTNERSHIP

- Resurfaced from Ambergate to Cromford, 5.5 miles. Suitable for all. Completed over 5 years.
- DCC Local Transport Plan funding, Released cash contribution of £2,210 for Cromford Canal interpretation scheme co-ordinated through DerwentWISE.
- Derbyshire County Council



Mercaston & Markeaton Brooks Project

To promote wildlife friendly land management that will bring benefits for soil conservation, water quality, landscape and flood alleviation.

- Improvement of water courses with bankside fencing to prevent erosion of bank edges.
- The provision of cattle drinking bays & pumped water schemes.
- Invasive species control, including Himalayan balsam control.
- £30k funding received from the Environment Agency.
- Lead organisation: National Trust.



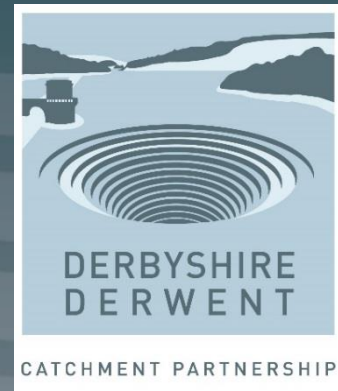
CATCHMENT PARTNERSHIP



Amber Catchment Project

Promoting pollution prevention with the industrial estates and the local community on the Alferton & Oakerthorpe Brooks.

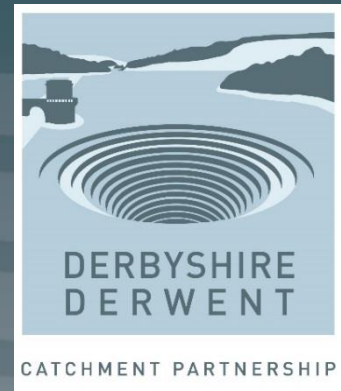
- Sharing SONDES monitoring results with the community.
- Practical task days with the staff from the Industrial Estates
- Creation of a domestic SUDS 'Rain Garden' project.
- Promotion of Amber catchment project as a Case Study through CABA
- Site survey for river restoration project
- £18K project with contributions from the Environment Agency's Water Resources fund and the Trent Rivers Trust.
- Lead organisation: Trent Rivers Trust



Moors for the Future Partnership

Peatland restoration programme providing water quality, biodiversity and natural flood risk management benefits throughout the South Pennines Special Area of Conservation.

- Delivery of moorland restoration programme
- Establishment of Derwent Catchment NFM group
- Engagement with 12 Catchment Partnerships across the SAC
- Development of NFM bid to Greater Manchester Area
- >£250K funding supported by the Environment Agency, Peak District National Park Authority, Natural England, Severn Trent Water, United Utilities, Yorkshire Water, National Trust, Pennine Prospects & RSPB
- Lead organisation: Moors for the Future Partnership

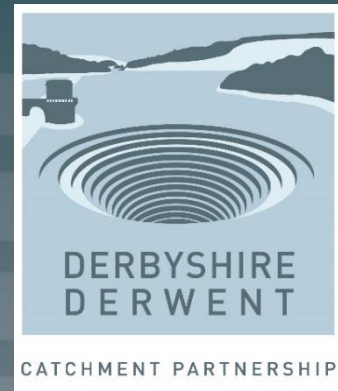


White Peak Partnership

Development of a vision and joint objectives that will deliver environmental improvements throughout the White Peak.

A workshop in March will focus on the following:

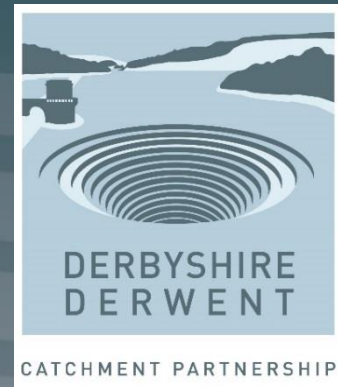
- Development of a strong vision for the Partnership
 - Capture key partner objectives
 - Develop a project brief
 - Scope out an Action Plan
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- £20k of funding secured from the Environment Agency and Natural England.
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- Lead Delivery organisation: Derbyshire Wildlife Trust



Markeaton and Mackworth Brook Project

Delivery of a range of farming interventions to tackle diffuse rural pollution including an innovative Papa Pump system.

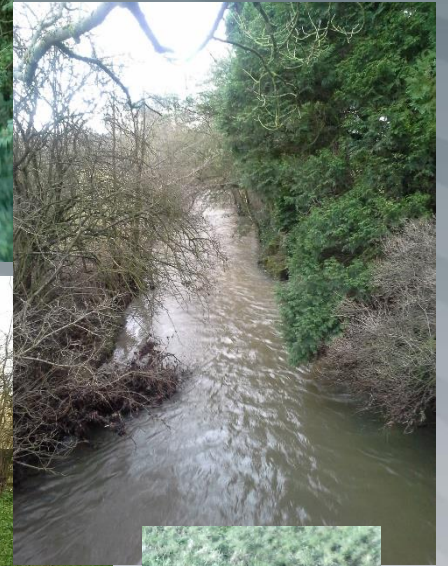
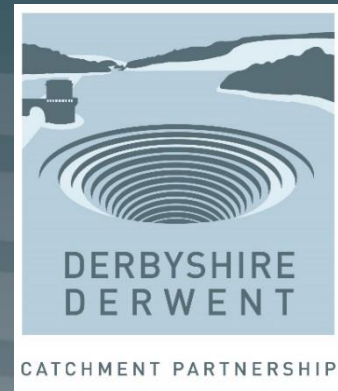
- Papa Pump system feeding 7 drinking troughs and 1 reservoir
- 830m of bankside fencing
- 4 cattle drinking points & 1 crossing point
- Water supply assessment for Kedleston Park
- £30K funding from the Environment Agency's Water and Environment Improvement Fund, with a £10K contribution from the National Trust
- Lead organisation: National Trust



Turnditch Orchard Project

Recovering neglected agricultural land and river bank to leave a Community Orchard in place.

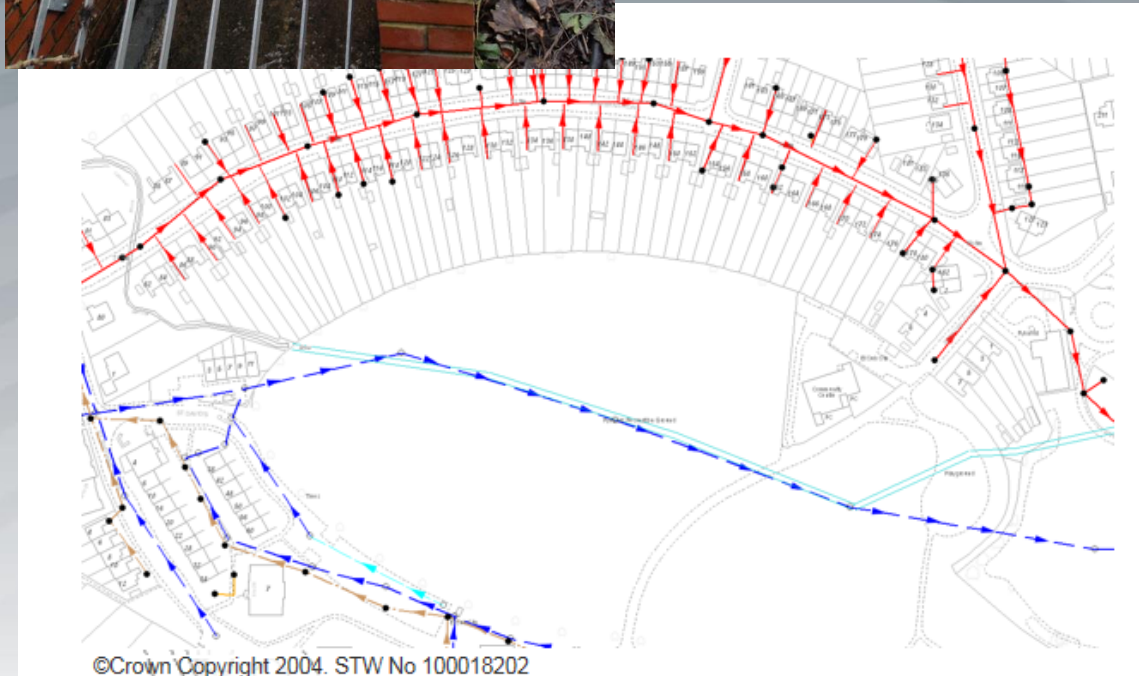
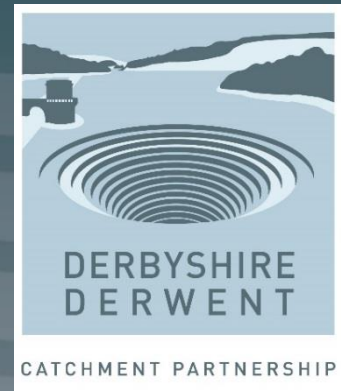
- Manage the ancient parish boundary hedgerow and woodland
- To prevent erosion of a fragile riverbank through natural means
- To introduce diversity of fruit trees with organic methods
- To restore the natural balance of flora and prevent invasive species
- The project is privately funded and supported Pro Bono. Local people provide volunteer support.
- The Project is sponsored by Belper based OaksysTech Ltd.



LITTLEOVER BROOK, RYKNELD RECREATION GROUND

Proposed project to de-culvert the Littleover Brook in this park.

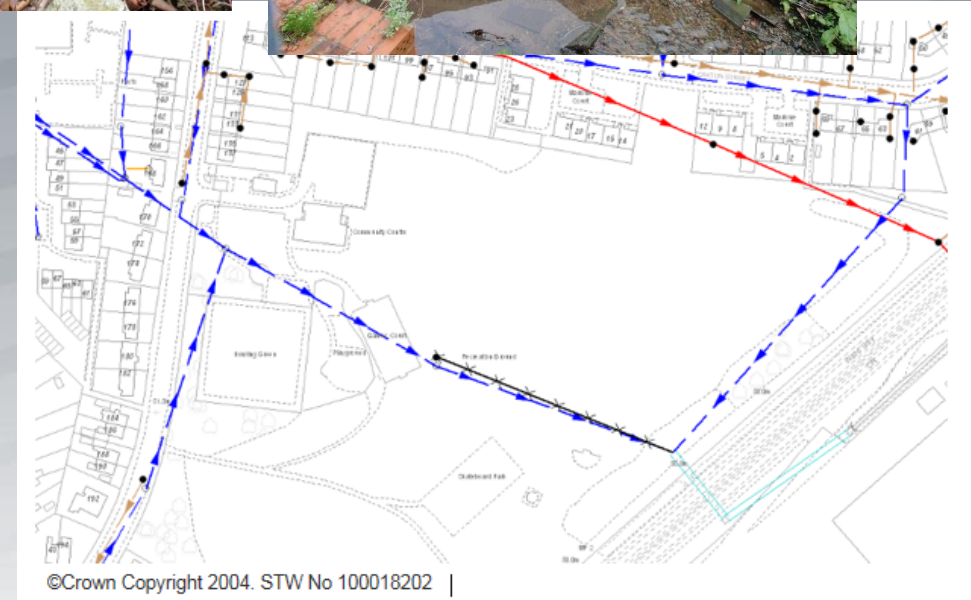
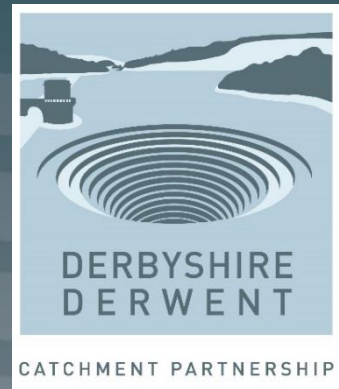
- Open up the brook to enhance amenity of park
- Will provide benefits for local community, wildlife and water quality
- Flood risk benefits – alleviate flooding problems further downstream
- Funding required for feasibility study
- Lead organisation: Environment Agency/Severn Trent Water/Derby City Council



Cuttle Brook, Caxton Street Park

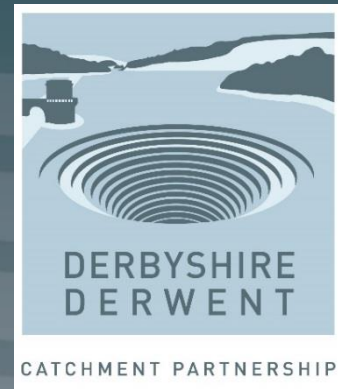
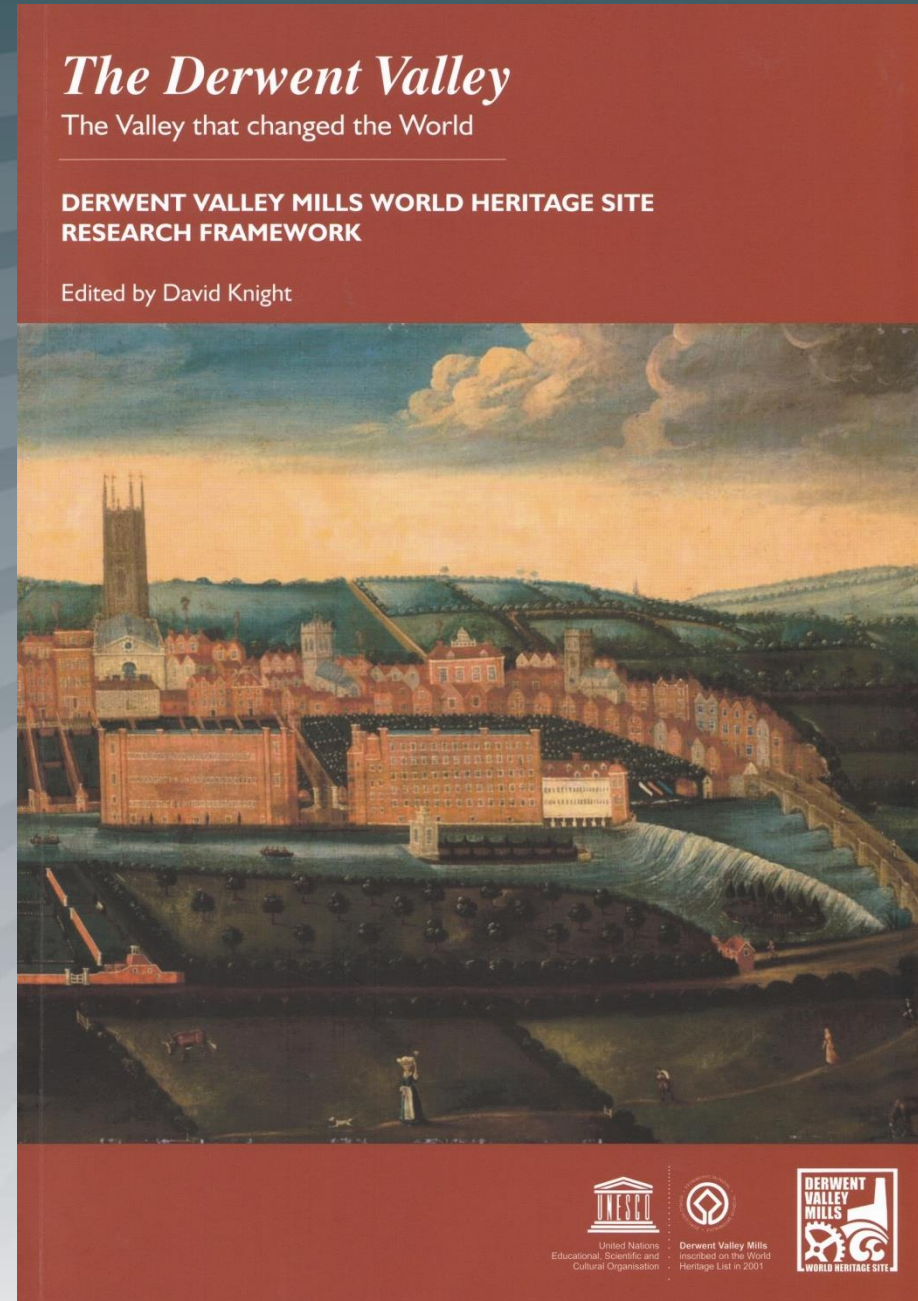
Proposed project to de-culvert the Cuttle Brook in this park.

- Open up the brook to enhance amenity of park
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Derwent Valley Mills World Heritage Site Research Framework

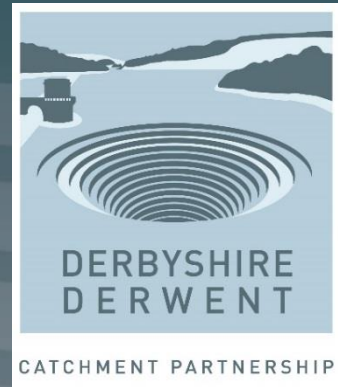
- Preparation in consultation with regional stakeholders of Research Agenda and Strategy for the Core and Buffer Zones of the DVMWHS
- Product: paper publication and digital resource on DVMWHS website
<http://www.derwentvalleymills.org/derwent-valley-mills-history/derwent-valley-mills-research-framework/>
- Funding: Historic England
- Lead organisations: DVMWHS, Derbyshire County Council and Trent & Peak Archaeology (York Archaeological Trust)



Future Climate and Environmental Change within the Derwent Valley Mills World Heritage Site

- Assessment of the potential impact of climate change upon the mills, weirs and other historic environment resources of the DVMWHS stretch of the Derwent Valley
- Product: digital publication
Howard, A J and Knight, D 2015 *Future Climate and Environmental Change within the Derwent Valley Mills World Heritage Site*. <https://historicengland.org.uk/images-books/publications/future-climate-environmental-change-within-derwent-valley-mill-whs/>
- Funding: Historic England
- Lead organisations: Trent & Peak Archaeology and DVMWHS

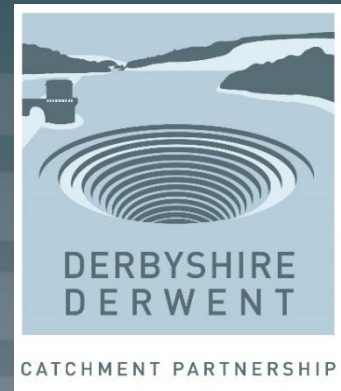
Belper Riverside Gardens under flood: predicted changes in rainfall frequency and intensity pose significant problems for waterside environments



Heritage at Risk in the Derwent Valley

- Three year project focused upon training of community volunteers to undertake rapid condition surveys of historic buildings and archaeological sites in the Derwent Valley. Results will be used to assess archaeological sites and buildings at risk, and will help to target future protection and heritage activities.
- Product: survey records incorporated in Derbyshire Historic Environment Record
- Funding: Heritage Lottery Fund
- Lead organisations: DerwentWISE Landscape Partnership, ArcHeritage, Locus Consulting and Trent & Peak Archaeology
- <https://www.derwentwisehar.org>

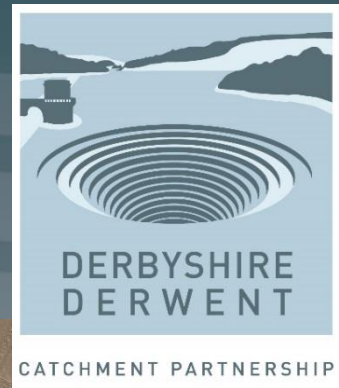
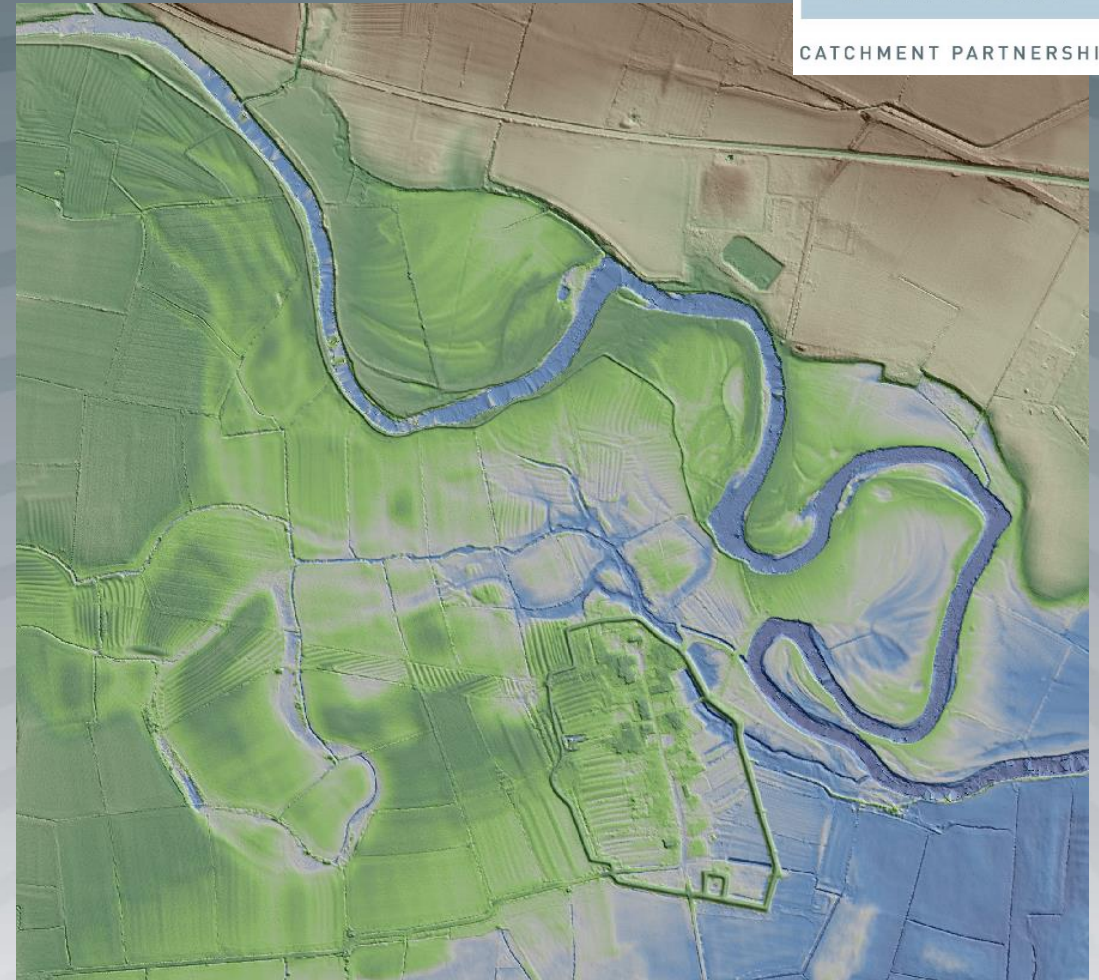
Surveying historic buildings at Matlock Bath



Derwent Valley Palaeochannel Survey

- Mapping of palaeochannels was undertaken through analysis of lidar, aerial photography and historic mapping. The project took in the entirety of the Trent Catchment creating a GIS database of identified features across this region and encompassing the whole of the Derwent Valley and its tributaries.
- Product: digital survey data lodged with Archaeology Data Service and available to Derbyshire Historic Environment Record
- Funding: Historic England
- Lead organisations: Trent & Peak Archaeology (York Archaeological Trust); Landscape Research & Management

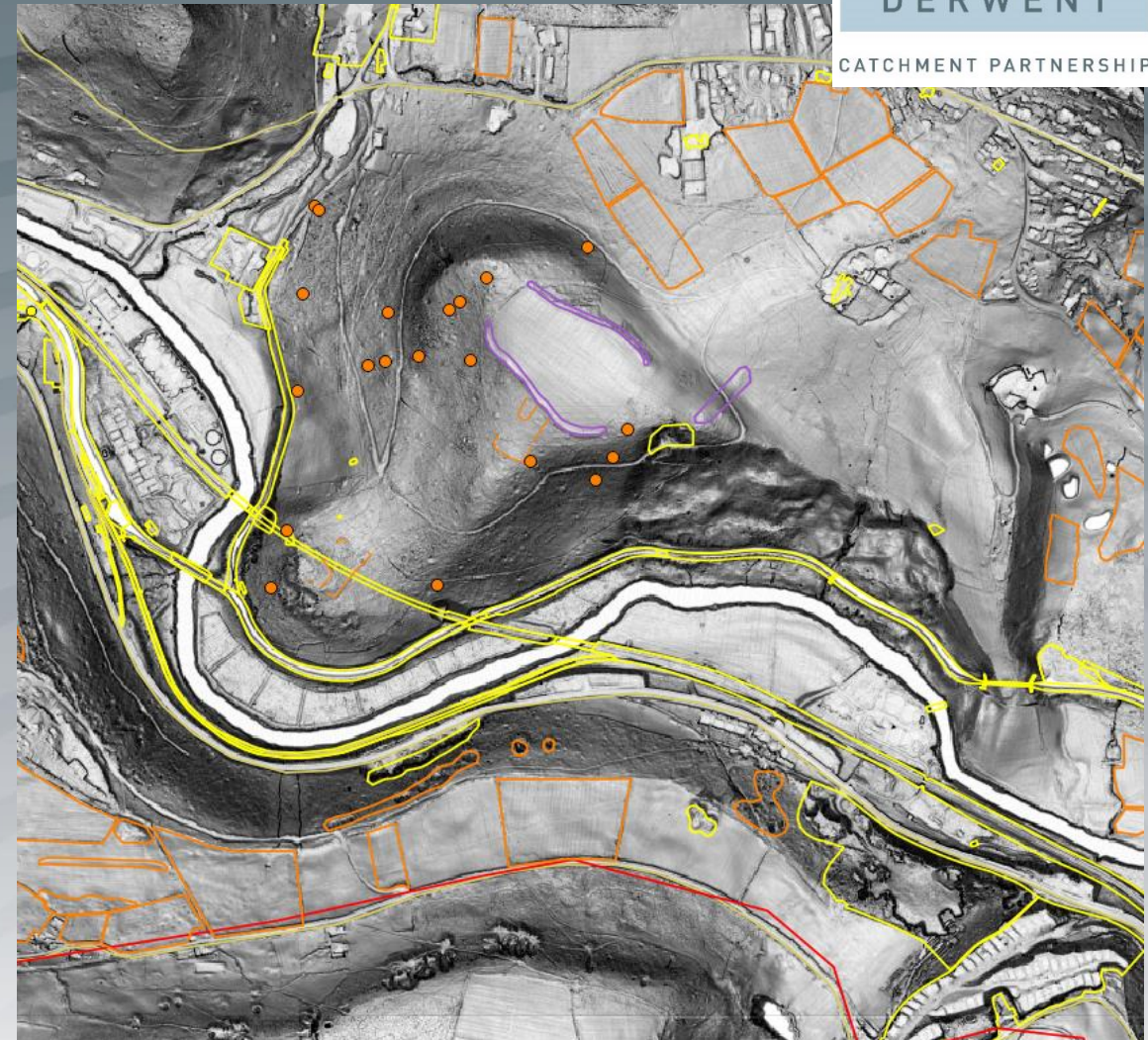
Lidar plot of channel movement at Ambaston



Derwent Valley Lidar Survey

- Processing and analysis of Environment Agency and high-resolution commissioned lidar survey to identify and map archaeological features within the Derwent Valley and especially on the steeply wooded valley sides where lidar can penetrate tree cover and produce detailed maps of the ground surface..
- Product: survey records incorporated in Derbyshire Historic Environment Record
- Funding: Heritage Lottery Fund
- Lead organisations: DerwentWISE Landscape Partnership; Trent & Peak Archaeology (York Archaeological Trust)

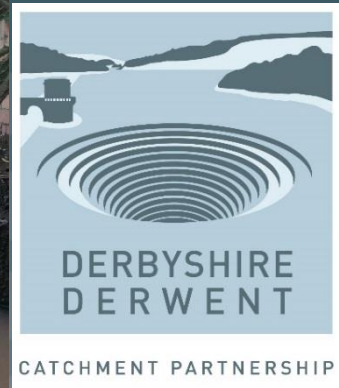
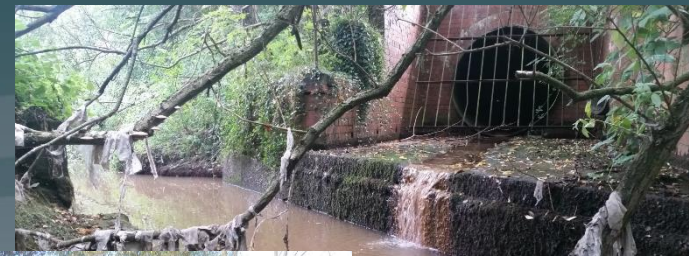
Archaeological features overlain on
lidar Digital Terrain Model



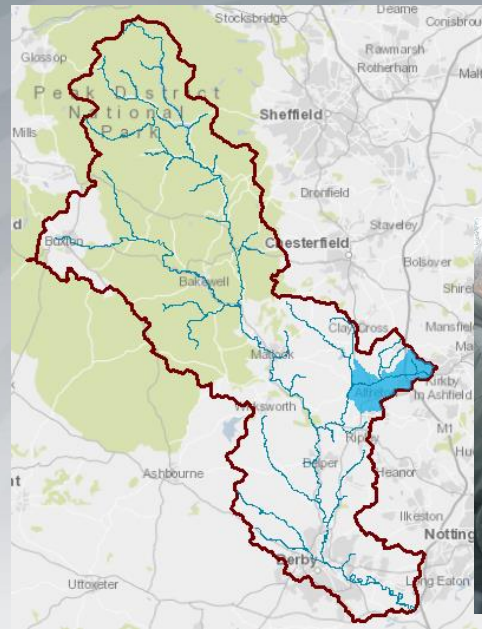
The River Starts Here!

Improving the biodiversity and water quality of **Alfreton and Oakerthorpe Brooks**, urban tributaries of the River Amber.

- Detailed monitoring of water quality using sondes
 - Activity days with business and other volunteers improving habitat and access
 - 'Build Your Own Rain Garden'
 - Events and site visits for businesses and community to help them to prevent pollution
 - River restoration projects
-
- Funding secured: Environment Agency and £60k from Esmee Fairbairn Trust. More being sought!
 - Lead organisation: Trent Rivers Trust

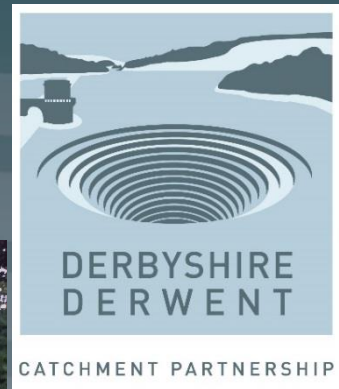


Together we can
make a difference!



Coppice Brook Himalayan Balsam project

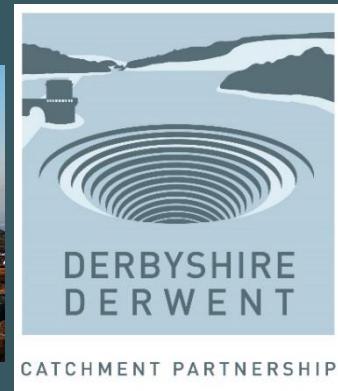
- Working to eradicate Himalayan Balsam from Coppice Brook, Belper
- Funding secured: Over 2 years, £5k from Derwentwise, £500 from Amber Valley Borough Council
- Lead organisation: Trent Rivers Trust



MoorLIFE 2020

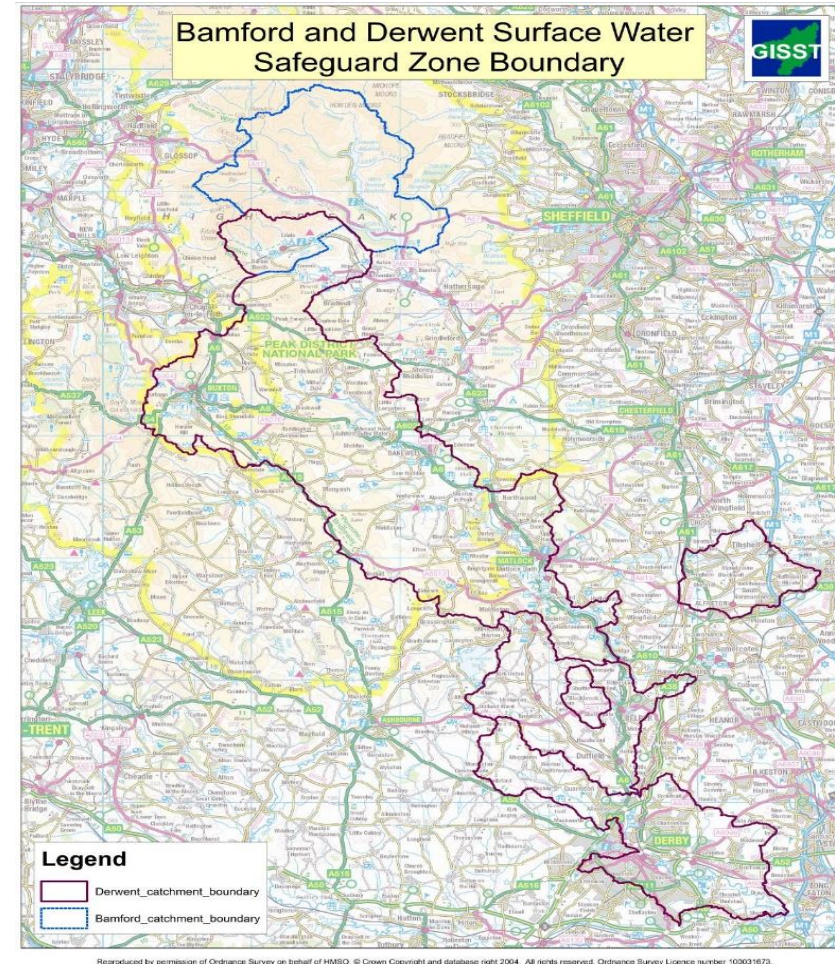
Summary

- This project is undertaking the following activities, to protect active blanket bog within the Derbyshire Derwent catchment : Bare peat revegetation, Improving hydrology, increasing sward diversity, re-introduction of sphagnum mosses, engaging with the public and land managers. Monitoring of the effects of these activities on blanket bog and communities
- £13 million funding received from EU LIFE programme, Severn Trent Water, Yorkshire Water, United Utilities, National Trust, RSPB and Pennine Prospects.
- The project is being by the Peak District National Park, through Moors for the Future Partnership, National Trust, Pennine Prospects and RSPB



Severn Trent Environmental Protection Scheme

- The Upper Derwent has been designated a Water Safe Guard Zone (SGZ) due to the colour of the water from peat erosion.
- The Middle Derwent and Church Wilne catchments have been designated a SGZ for the following pesticides:
 - Metaldehyde
 - Colour
 - Mecoprop
 - Nitrate
 - MCPA
 - Metazachlor
- The STEPS initiative aims to protect our watercourses and the wider environment from agricultural diffuse pollution by providing grants to farmers for water quality infrastructure investments.
- If you farm within the boundaries mapped you may be eligible for STEPS grants.



SEVERN TRENT SEWER MANAGEMENT PLAN

Cuttle Brook Catchment (trib of Trent)

- Severn Trent form Sewage Management Plans (SMP) to understand the impact of our asset's storm responses on the river reaches.
- The aim of these investigations is to confirm the sewer impacts on water quality and to identify the potential root cause.
- The investigations are ongoing until April 2019, when the outcomes will be discussed with the EA to determine what further work, if any, is needed on these river reaches for the next AMP (asset management plan).

