

					Catchment Partnership	INNS
Browney	GB103024077280	BR2	Deerness from Hedleyhope Burn to Browney	P, Ammonia	The upstream waterbody (GB103024077270) has a confirmed failure for fish. The CRF Durham University study utilising capture/recapture of tagged fish demonstrates that Broadgate ford is a significant barrier to fish. In order to address the RFNAGS fish failure Deerness source to Hedleyhope Burn this barrier must be addressed to improve access for fish for up to 10km of waterbody. Investigate rural diffuse and mine sediment inputs.	Balsalm Knotweed
Browney	GB103024077290	BR3	Hedleyhope Burn from Source to Deerness	P, Ammonia	Repair damaged fish pass at Cornsay Colliery. Investigate rural diffuse, mine sediment inputs and NFM opportunities.	Balsalm Knotweed
Browney	GB103024077330	BR7	Smallhope Burn from Source to Browney, Stocke	P, Ammonia	A catchment wide based NFM measures to compliment a Durham County Council scheme to be delivered through the 6 year FCRM programme 2017/18 to protect Lanchester village centre (attenuation pond and swale construction; highway drainage improvements, storm culvert renewal) located at the lowest point of a surrounding steep catchment, through "defence in depth" provided by a wider programme of NFM delivery across 4 discrete zones: covering the upper Smallhope/Knitsley, middle Smallhope/Stockersly, Alderdene and Newhouse burns, all of which converge onto Lanchester. A range of NFM techniques will be utilised including leaky dams, flood storage ponds and swales, channel restoration, livestock fencing, rain water harvesting and highway drainage improvements. Reducing erosion and sediment inputs.	Balsalm Knotweed
Browney	GB103024077551	BR8	Browney from Smallhope Burn Deerness confl	P, Ammonia	Fish Passage: Removal of derelict weir at Langley Park cutting of year round access to over 30km of habitat. Rural Diffuse Pollution:Identify diffuse pollution hotspots and provide advisory visit and intervention programme with landowners and farmers to reduce rural diffuse pollution. Existing evidence collated from eNGO walkovers on priority water bodies will be used alongside EA monitoring data to inform site selection. Habitat Improvement: Coppicing of dense tree canopy and installation of LWD to enhance instream habitat quality.	Balsalm Knotweed
Browney	GB103024077552	BR9	Browney from Deerness confl to Wear	P, Ammonia	Rural Diffuse Pollution:Identify diffuse pollution hotspots and provide advisory visit and intervention programme with landowners and farmers to reduce rural diffuse pollution. Existing evidence collated from eNGO walkovers on priority water bodies will be used alongside EA monitoring data to inform site selection. NFM and existing floodbanks.	Balsalm Knotweed
Gaunless	GB103024072680	G1	Hummer Beck from Source to Gaunless	P, Ammonia	Full catchment walkover report: Rural diffuse, fish passage, habitat industrial/mining and urban pollution sources. CaBA= Gaunless Local Management Group	Balsalm Knotweed
Gaunless	GB103024072690	G2	Gaunless from Source to Hummer Beck	P, Ammonia	Full catchment walkover report: Rural diffuse, fish passage and urban pollution sources. CaBA= Gaunless Local Management Group	Balsalm Knotweed, American Signal Crayfish
Wear Upper	GB103024077430	WU4	Burnhope Burn from Source to Wear	Drinking Water Agriculture	Rural/Forestry Diffuse Pollution:Identify diffuse pollution hotspots and provide advisory visit and intervention programme with landowners and farmers	Knotweed
Wear Upper	GB103024077440	WU5	Wear from Wearhead to Middlehope Burn, Iresho	Water Resources		Knotweed
Wear Upper	GB103024077441	WU6	Ireshope Burn	Water Resources	Weardale NFM pilot. 2x large NWL structures preventing upstream movement of fish.	

Wear Upper	GB103024077520	WU11	Waskerley Beck from Source to Wear	Water Resources		Knotweed
Wear Upper	GB103024077530	WU12	Rookhope Burn from Source to Wear	Water Resources	Diffuse heavy metal pollution. Weardale NFM pilot. Rural diffuse pollution including silage wrap and fly tipping.	Knotweed
Wear Middle	GB103024077390	WM7	Beechburn Beck (Trib of Wear)	P, Ammonia	Multi disciplinary project to improve habitat quality, fish populations and local attitudes towards the beck. Links with local fire brigade, councillors and links with Northern Heartlands? Project would include fish passage improvements in the lower reaches, livestock management improvements and local working group to actively manage the catchment.	Balsalm Knotweed
Wear Middle	GB103024077450	WM8	Houselop Beck from Source to Wear	P, Ammonia	Identify catchment landowners/farmers. This is an extensive catchment from Wolsingham Park Moor, running west of Tow Law to the Wear confluence in the south. Seek access permissions for a full catchment walkover to investigate agricultural pollution sources, pathways and barriers to fish (2016: poorstatus: CDE). Possible partnership working opportunity with NWL to carry out bank protection along STW access track. Contact was made and advice given by WRT to NW. Unsure as to present status.	Balsalm Knotweed
Wear Middle	GB103024077462	WM9	Wear from Houselop Beck to Beechburn Beck	P, Ammonia	Erosion, sediment inputs, barriers to fish migration at Witton-le-Wear and Witton Park.	Balsalm Knotweed
Wear Lower and	GB103024077410	WLE2	Croxdale Beck from Source to Wear	P, Ammonia	The majority of the Croxdale catchment is impassable to fish due to a large weir in the lower catchment at Croxdale Hall. The structure is impassable to all fish species during all flow conditions and would require a by-pass channel to make it passable. The site has also been identified as a potential hydroscheme location therefore integration of both fish passage and turbine must be taken into consideration. Concept design for a bypass channel has been produced by WRT. Poor water quality including agricultural pressures on this catchment. Rural Diffuse Pollution project to engage, investigate, identify, agree and deliver on farm interventions. ICR. Other sources of poor water quality likely to from industrial sources including ind estates, highways and quarries.	Balsalm Knotweed
Wear Lower and	GB103024077470	WLE5	Old Durham Beck from Chapman Beck to Wear	P, Ammonia	Feasibility study of 6 obstructions to fish passage and delivery in subsequent years. These structures are abandoned railway culverts which may be becoming unstable. Access and assessment will need to be gained by a specialist team to inform the design process. There will be significant H&S risks to be designed into the delivery programme. The EA monitoring point is just above the Wear confluence below 6 proven obstructions. These 3 WBs therefore falsley do not fail for fish. WRT/Durham University surveyed 33 monitoring points through the CRF programme, supporting a PhD thesis. There are also agricultural and urban runoff pressures on this catchment. in addition to fish passage works. See Pittington Beck	Balsalm Knotweed Hogweed
Wear Lower and	GB103024077490	WLE6	Old Durham Beck from Source to Pittington Beck	P, Ammonia	As above and below. Landfill and mining above and below.	Balsalm Knotweed Hogweed
Wear Lower and	GB103024077540	WLE7	Pittington Beck from Coalford to Old Durham Beck	P, Ammonia, Groundwater	Identify and engage with contributing to the confirmed Magnesian Limestone groundwater body nitrate failure due to arable and livestock farming and to ensure non-deterioration. Topsoil to gather water quality and site data to confirm/revisit existing conceptualised understanding of pollution pathways. This information will inform advisory visits from an agricultural advisor to discuss principles and achieve farmer buy-in. Initial farmer interest will be followed by a physical survey, issues assessment and validation discussion with the farmer. Agreed actions will be written up in the agreed Rural Diffuse Pollution Programme format with estimated costs and proposed farmer contributions. The report will be presented to the farmer, actions costs, contributions and timescales agreed, which will be written up into a formal agreement, confirmed and signed off by the farmer and WRT. Plus fish passage see ODB above.	Balsalm Knotweed Hogweed

			Twizell	Chemicals	Major channel modifications at Memorial culvert and Grange Villa. Landfill and mining legacy. Relationship SW and GW. Coal Authority pumping. Habitat improvements. CaBA=Greening Twizell Partnership.	Balsalm, knotweed
Wear Lower and	GB103024077570	WLE9	Lumley Park Burn from Herrington Burn to R Wear	P, Ammonia	Urban diffuse pollution, very poor physical habitat due to channel modifications and industrial waste. Rural Diffuse Pollution: Reverse deterioration. Engage farmers and land owners and improve land management practices. The project will also identify, prioritise and implement small scale capital works. Likely to include slow-the-flow measures as well as bank stabilisation works. Barrier to fish migration at Fenehouses. ICR. Cross connections at Bournmoor.	Balsalm Knotweed
Wear Lower and	GB103024077580	WLE10	Lumley Park Burn from Source to Herrington Burn	P, Ammonia, Groundwater	Urban diffuse pollution, poor physical habitat. Land fill. Rural Diffuse Pollution: Reverse deterioration. Engage farmers and land owners and improve land management practices. The project will also identify, prioritise and implement small scale capital works. Likely to include slow-the-flow measures as well as bank stabilisation works. Fish Passage: Lambton Bridge Culvert currently restricts access to around 10km of upstream habitat. A feasibility has been completed on the structure and a Rock Ramp type easement has been designed and fully costed up. 3 culverts supporting a road bridge with a degraded concrete apron forming the downstream exit creating an impassable barrier to fish under most flow conditions. ICR. lots of evidence of cross connections i.e. dairy lane.	Balsalm Knotweed
Wear Lower and	GB103024077621	WLE13	Wear from Croxdale Beck to Lumley Park Burn	P, Ammonia	Urban diffuse pollution, barriers to fish and channel modifications. Agri flood banks causing significant bank erosion, habitat deterioration and downstream flood risk.	Balsalm Knotweed Hogweed, american signal crayfish, terrapins, pink salmon
			Valley Burn	Chemicals	EA Pressure: agric soil management and urban runoff through Spennymoor. Mine waste also known to be an issue.	balsam and knotweed
Wear Lower and	GB103024077622	WLE14	Blackdene Burn to confluence with Wear	P, Ammonia	Mine discharge and urban development pressure.	balsam and knotweed
Wear Lower and	GB103024077623	WLE15	South Burn to confluence with Wear	P, Ammonia	Barriers to fish movement, mine discharge and urban development.	balsam and knotweed
Wear Lower and	GB103024077624	WLE16	Wear DS of Lumley Park Burn to Tidal Limit	P, Ammonia	Urban diffuse pollution and barriers to fish. CLS gauging station considered to be a complete barrier to non-migratory species during most flow conditions.	Balsalm Knotweed Hogweed, american signal crayfish and pink salmon
Wear Lower and	GB103024077630	WLE17	Herrington Burn from Source to Lumley Park Burn	Groundwater	Urban diffuse pollution, poor physical habitat, barrier to fish migration at Philadelphia, litter and fly tipping, diffuse pollution from agriculture. ICR.	Balsalm Knotweed
Seaham Peterlee	GB103025075950	SE3	Hawthorn Burn from Source to North Sea	Groundwater	9 SW sample points. Ephemeral loss to GW. Influence of fractures? Agric inputs? ICR pilot. CaBA=Coastal Streams Partnership	Balsalm Knotweed
Seaham Peterlee	GB103025075970	SE4	Dalton Beck to North Sea	Groundwater	Integrated Catchment Report. CaBA=Coastal Streams Partnership	Balsalm Knotweed