

## P29 Ouseburn drainage infrastructure

Theme(s):	A: Conserve and restore river habitat, and adapt to / mitigate for the physical impacts of weather extremes and climate change.
Goal(s):	A3: Reduce risk from or control flooding.
Sub-goal(s):	A3b: Reduce risk from or control surface water (runoff) floods.

Investigate and assess the need for greater investment in infrastructure (drainage and sewage) to the North and West of Newcastle within the Ouseburn catchment, particularly the separation of flood water and sewage. To assess the impact that 'natural' Sustainable Drainage Systems might make to flood mitigation and avoidance. The research brief should be non-determinate and free from vested interest. Future proposed housing will also have an impact on the water levels through South Gosforth, Jesmond Vale etc. which will have implications on wildlife.

Project Status:	Proposed
Potential Deliverer(s):	Northumbrian Water, local authorities, universities for research
Estimated Timeframe:	Less than 1 year
Estimated Project Cost:	£50,000 to £100,000
Potential Funding Source(s):	Northumbrian Water National Environment Programme (for sewerage infrastructure), developer contributions
Additional benefits / links / opportunities:	Link to Tyneside Sustainable Sewerage Study
Water Framework Directive link:	Fish, invertebrate and phosphate failures on the Ouseburn