

Monitoring River Irwell Restoration



This talk sets out our monitoring strategy for the Environment Agency/Irwell Rivers Trust project 'Good ecological potential in the Irwell Basin'.

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Principle monitoring aims
Methods used to deliver them.
These principles are then applied to individual sites.



Our Plan

- Identification of monitoring requirements
- Identification of monitoring methods
- Assignment of monitoring methods to requirements
- Production of monitoring schedules (Who, what, where, when)
- Data management and reporting



Four Monitoring Requirements

Monitoring Requirement	Reason				
Management of Risk	Unwanted changes, Unexpected erosion, Timely response.				
Demonstration of environmental improvement	Show the delivery of HMWB mitigation measures and River Basin Management Plan objectives. e.g.				
Proof of concept	Show success of low cost easements where barrier cant be removed (e.g. rock ramp).				
Promotion	High profile sites should be monitored to ensure we can present our work in ways that promote future partnership developments and fund raising.				



Six monitoring methods have been identified.

Fixed point photography survey
Expert observation
Habitat mapping survey
Invertebrate survey
Fish survey
Fish tagging and relocation study



Matching Methods to Reasons

Method	Monitoring Requirement				
	Risk	WFD delivery	Promotion	Proof of concept	
Fixed point photography	~	\checkmark	\checkmark	✓	
Expert Opinion	\checkmark	\checkmark	\checkmark	✓	
Habitat mapping		\checkmark	\checkmark		
Invertebrate survey			\checkmark		
Fish survey			✓	✓	
Fish tagging				✓	

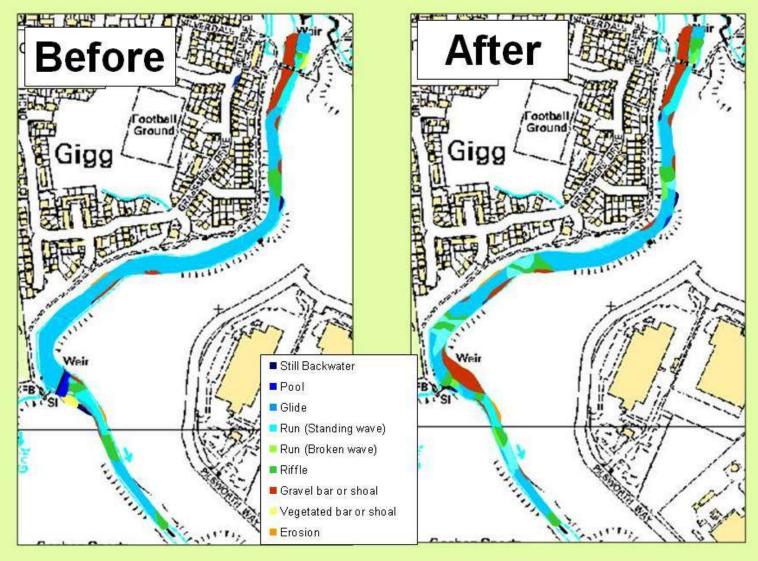


Goshan Weir

THE SWEETERS



Changes in flow types associated with the removal of Goshan Weir on the River Roch, North Manchester



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Conclusion

Clear monitoring aims delivered by simple, transferable methods

