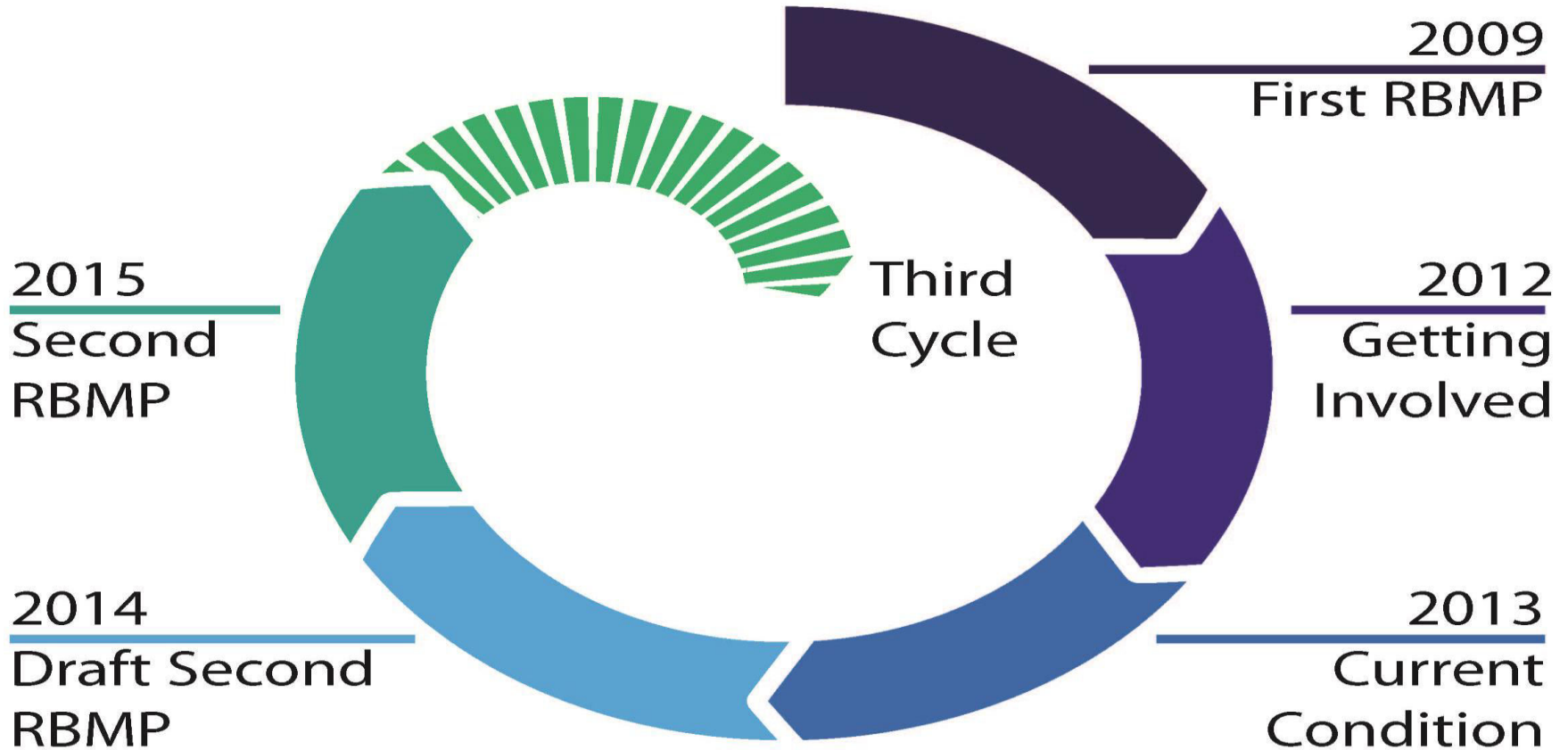


River Basin Management in Scotland

David Harley
Water & Land Manager
SEPA



Where are we in the process?



RBMP Objectives:

SEPA's role as 'Competent Authority'

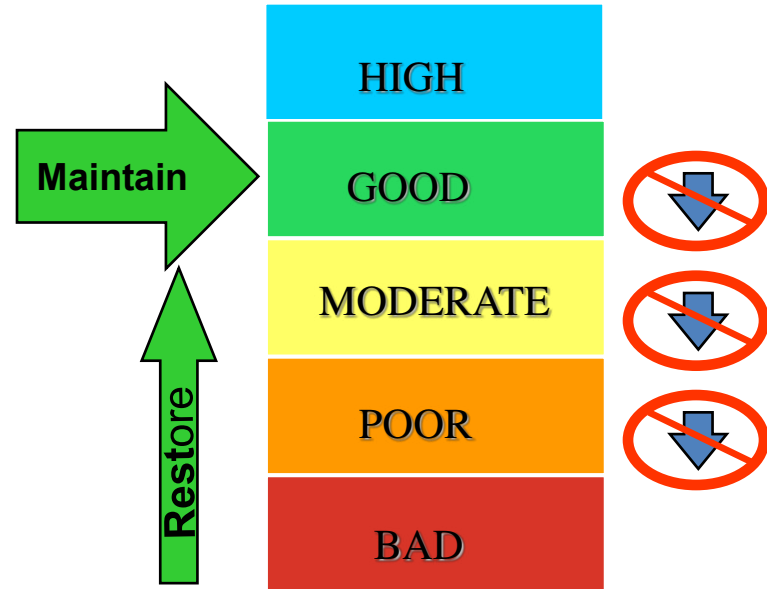
No deterioration

- New applications – regulation (CAR)
- Inspection/compliance/enforcement
- Pollution incident response
- Planning & advice

Improve to Good Status

- Regulation - licence reviews (incl Quality & Standards)
- Awareness/advice/partnerships
- Diffuse pollution work (GBRs)
- Water Environment Fund

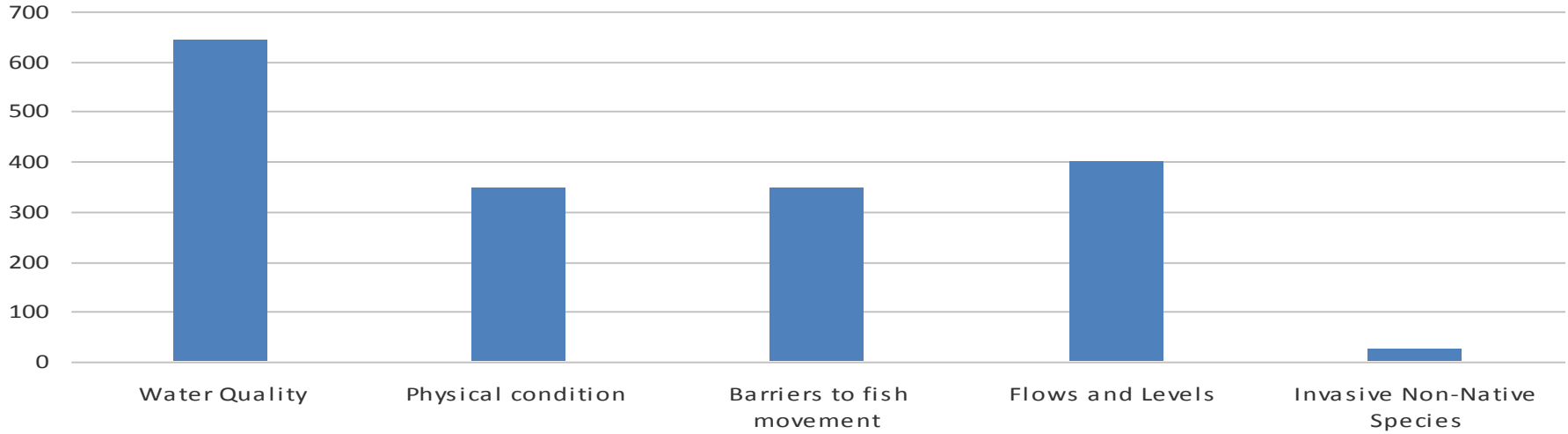
Underpinned by environmental monitoring (chemistry/hydrology/ecology)



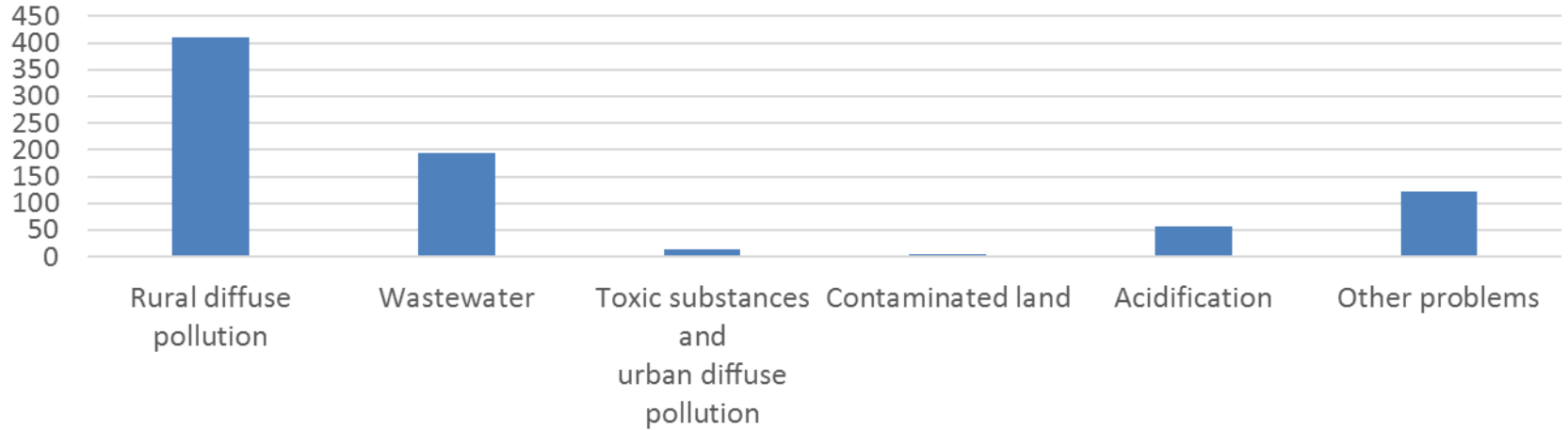
How are we doing?

- Meeting targets associated with licence reviews (approx 50% of water bodies targeted, 1000km) for improvement
- Shortfall associated with diffuse pollution and restoration of physical impacts – LAND USE
- Classification problematic as a performance measure in first cycle – ‘noise’ due to changing standards, water body changes, improved data.
- But Scotland doing relatively well

Pressures causing water body downgrades in Scotland



Water quality - pressures



Scottish Water – Quality & Standards



Environmental upgrades (~£100m/yr)
Capital maintenance (£250m/y)

RBMP first cycle planned
improvements to water bodies

- 120 water bodies - sewage discharges
- 25 water bodies - public water supply
- 5 water bodies - diffuse urban sources

Diffuse Pollution (rural)



Priority catchment approach

Evidence Base



Awareness Raising



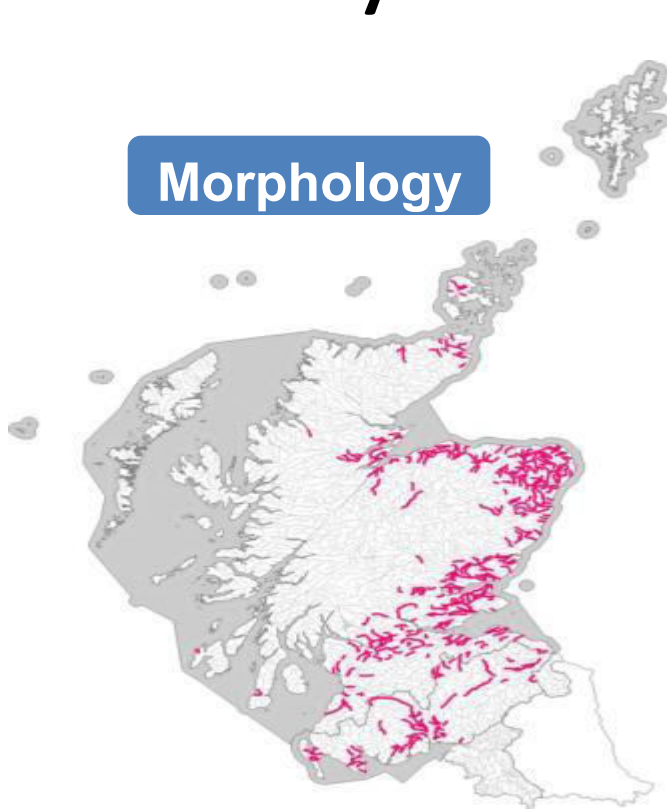
Targeted Engagement



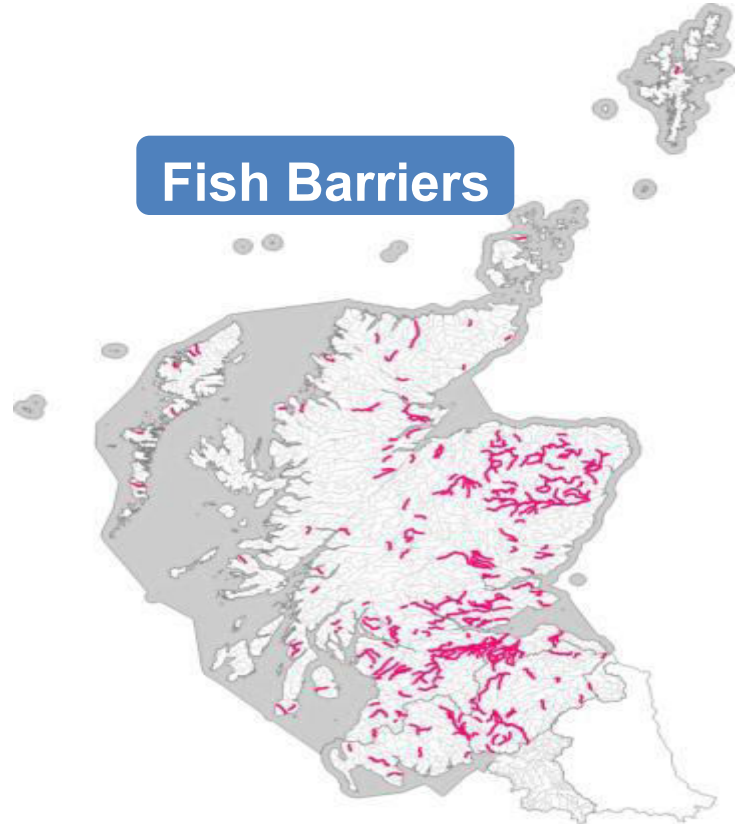
Underpinned by General Binding Rules

Physical restoration

Morphology

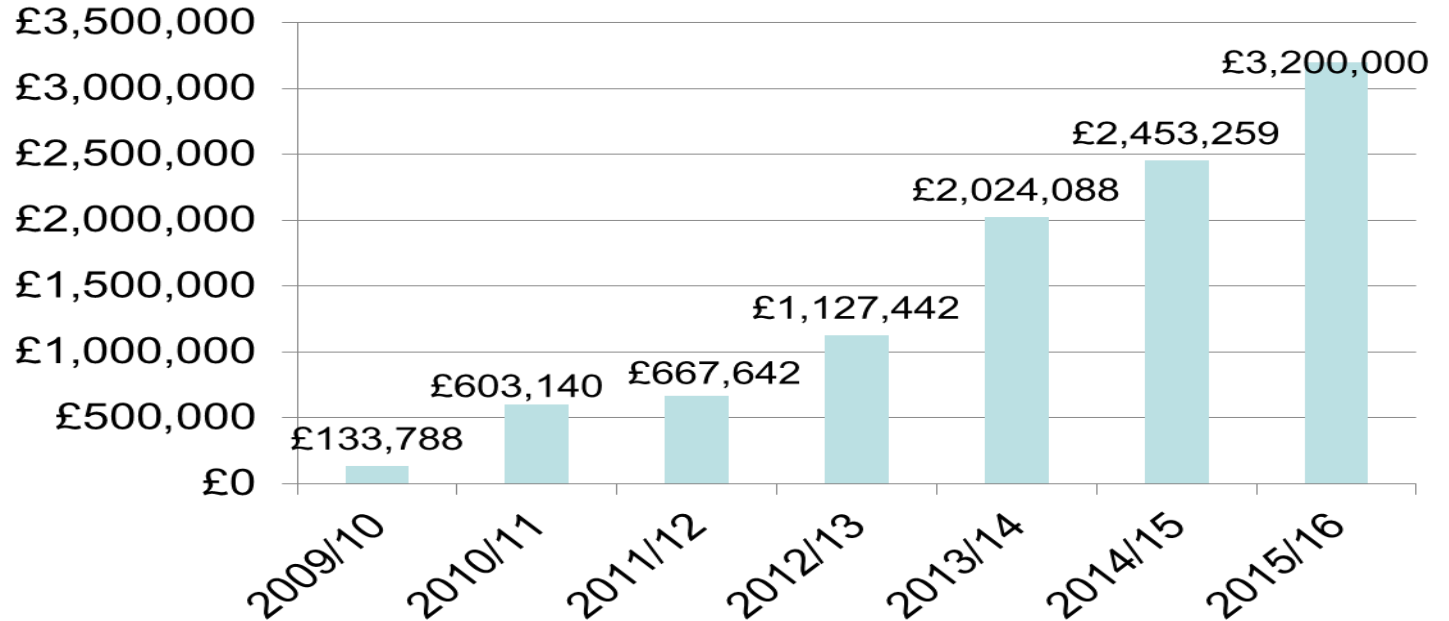


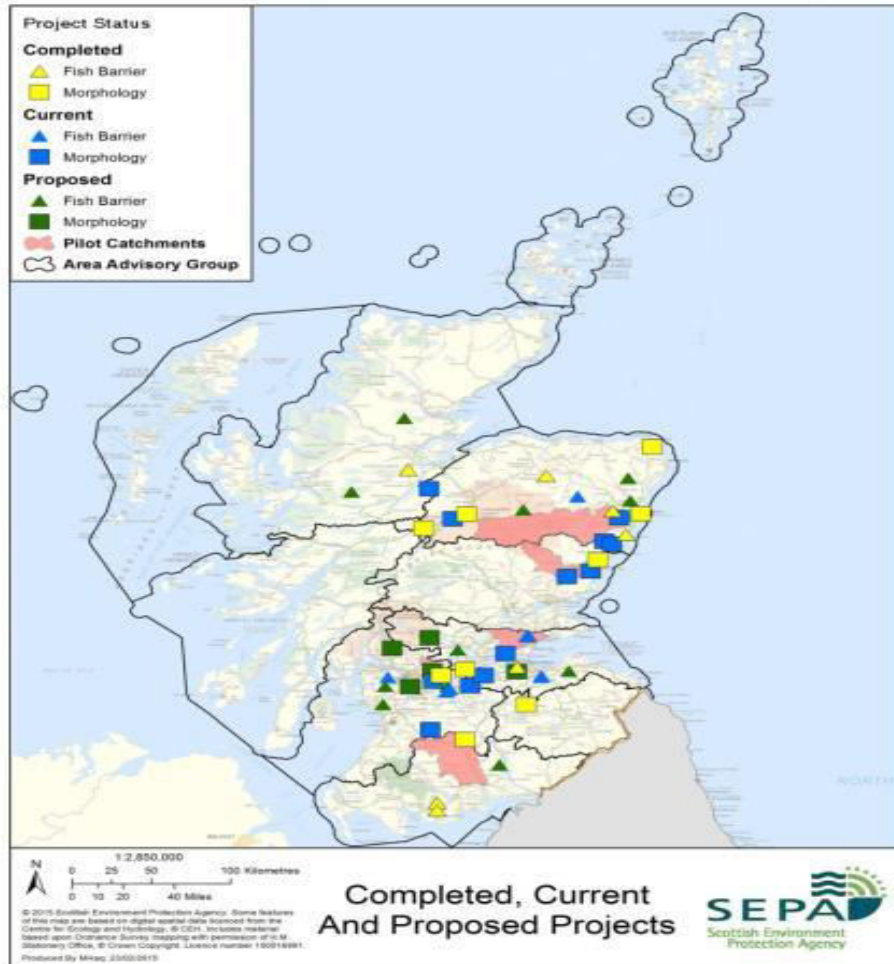
Fish Barriers



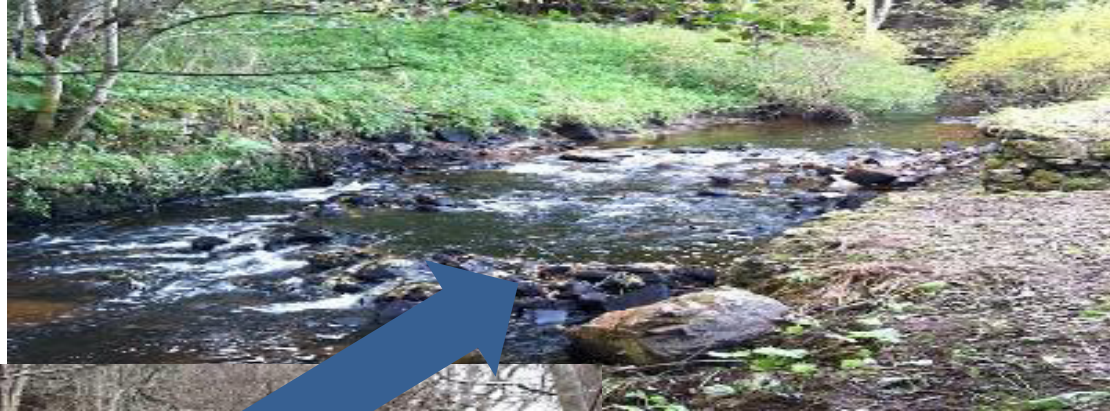
Restoration Fund/WEF Spend

Project spend

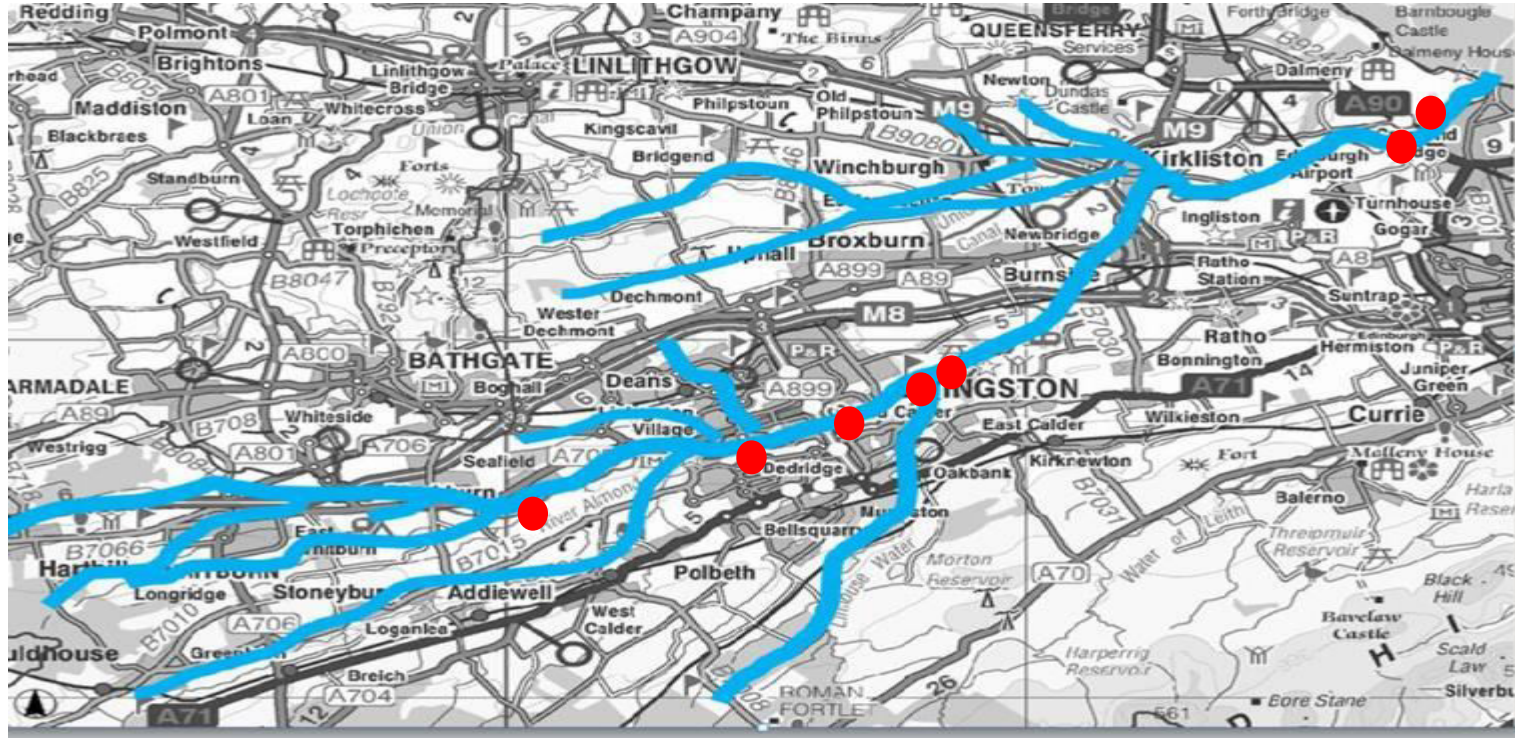




Pluscarden Weir (Elgin)



Almond Barriers (W. Lothian)



Almond Barriers (W. Lothian)



Stane Gardens, Shotts



Stane Gardens, Shotts



ROTTAL BURN

Before



During construction



First flow



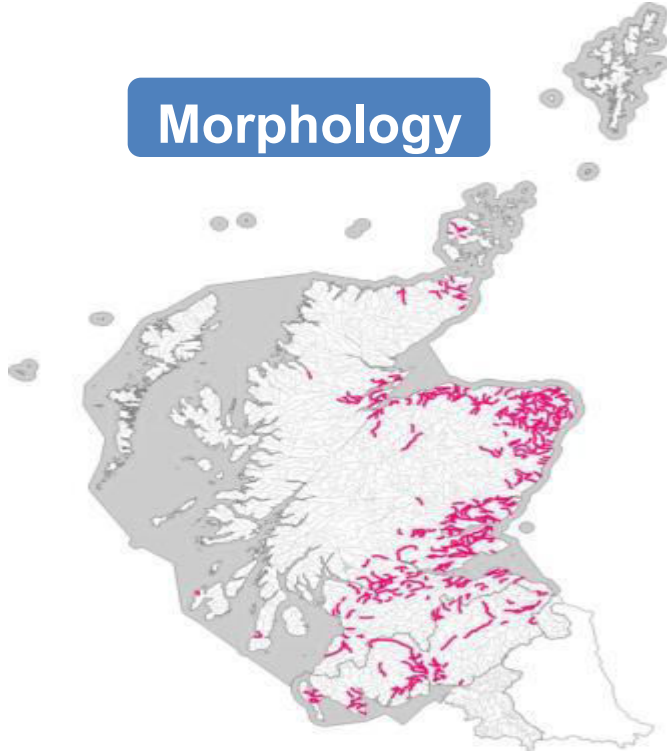
After the first flood

‘Step changes’ required

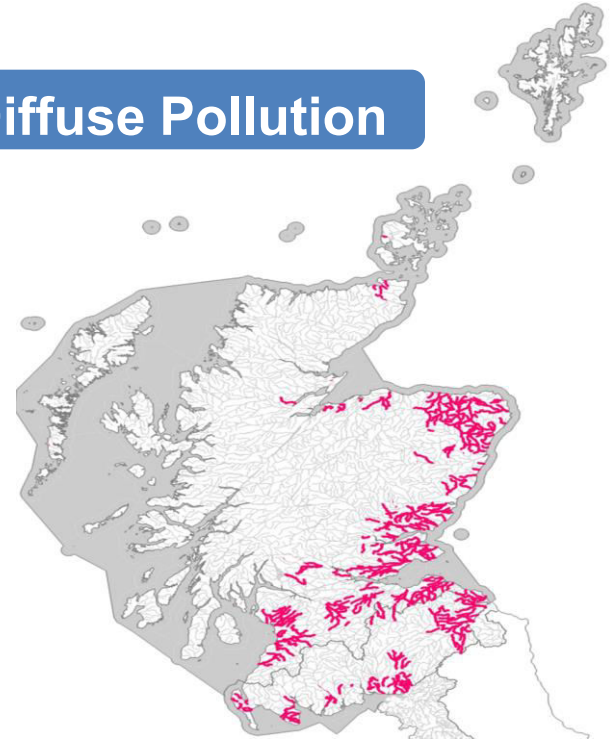
- Diffuse pollution (underpinned by regulation)
- Physical restoration (voluntary, incentive based)

Land use impacts

Morphology



Diffuse Pollution



Challenges & Opportunities

- Resources
- Cost benefit
- Ecological response – better tools
- True catchment management
- Partnerships and multiple benefits
- May require compromises?