

# Morphology and natural flood management pilot catchments

Strategically targeting river restoration in catchments



## **Pilot catchments**

• What?

• Why?

• Where?





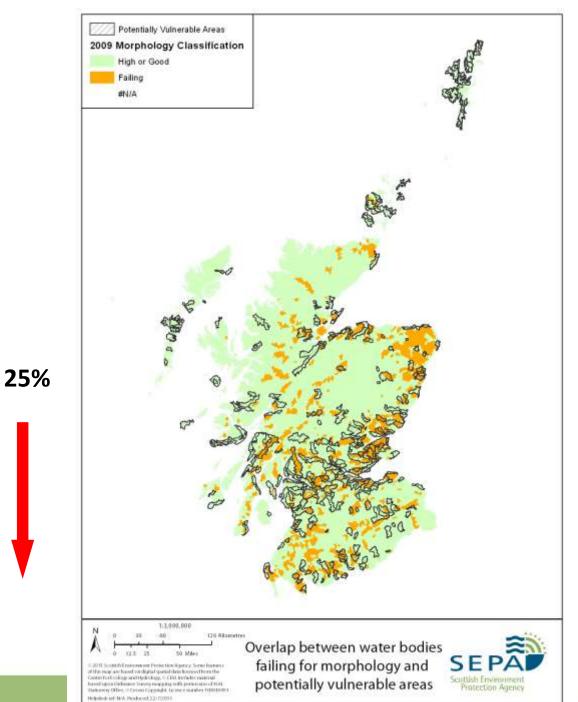
HIGH

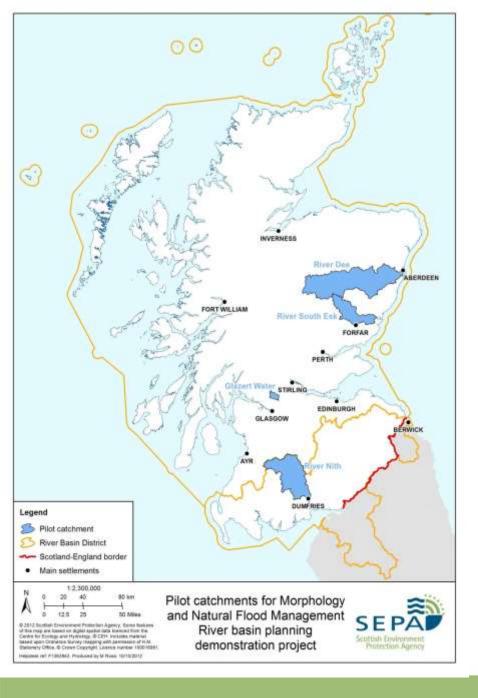
**GOOD** 

**MODERATE** 

**POOR** 

**BAD** 

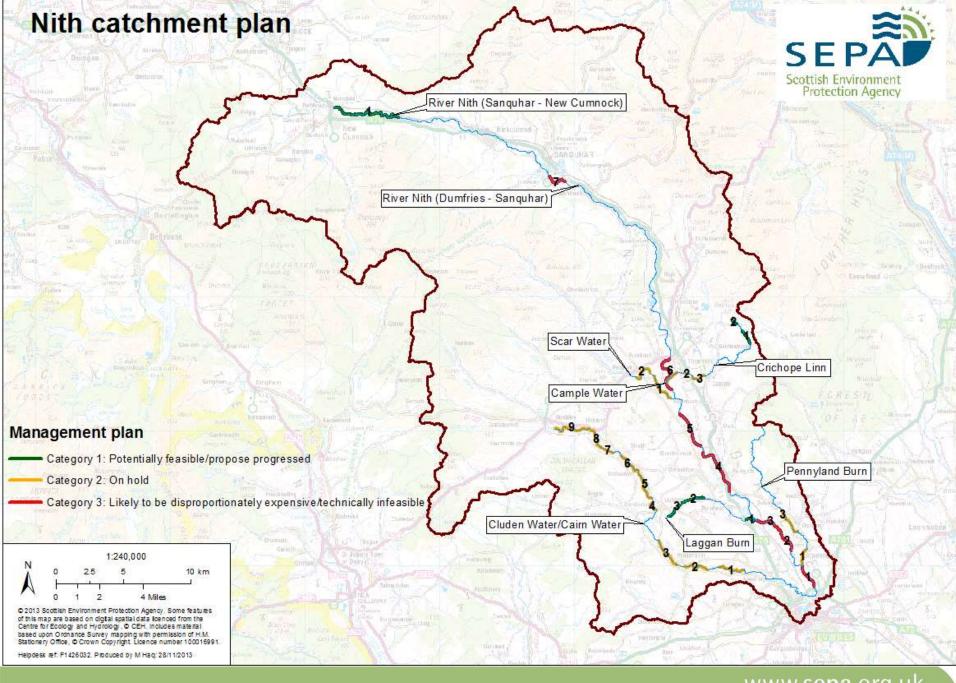


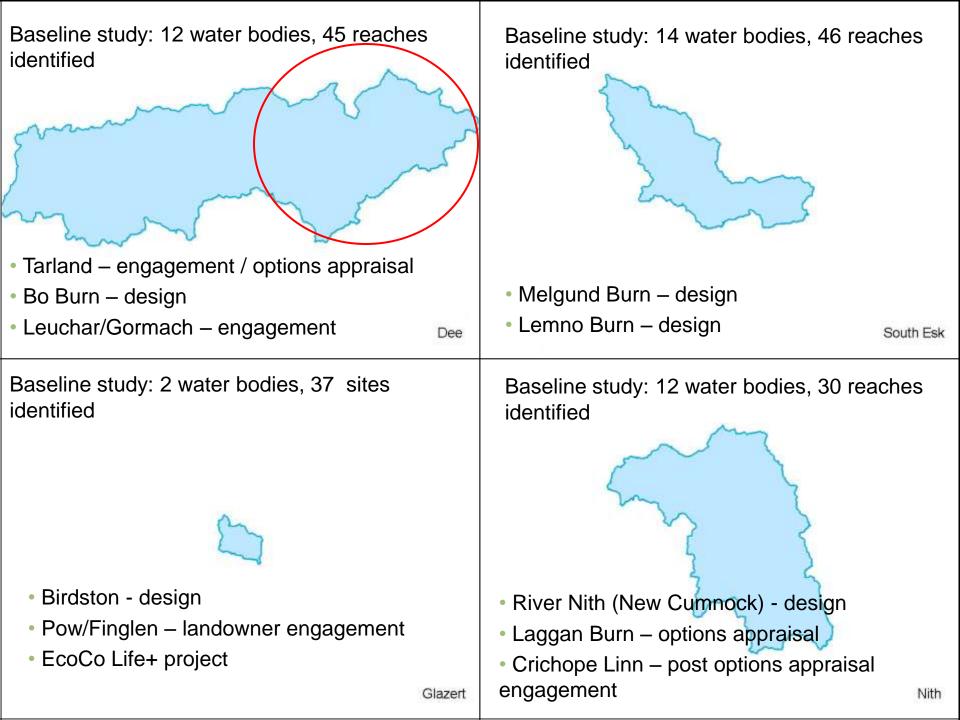


### **Catchments selected**

- Dee
- South Esk
- Glazert
- Nith

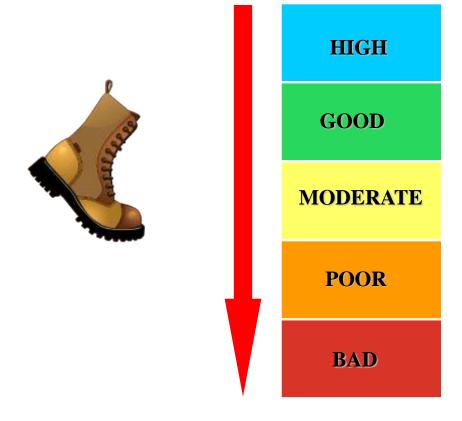








#### **Lessons** learned



Field surveys contracts: <good and >good GBR breaches



# **Lessons learned**

- Planning at catchment scale works
- New approach for RBMP2
- Guiding principles/process

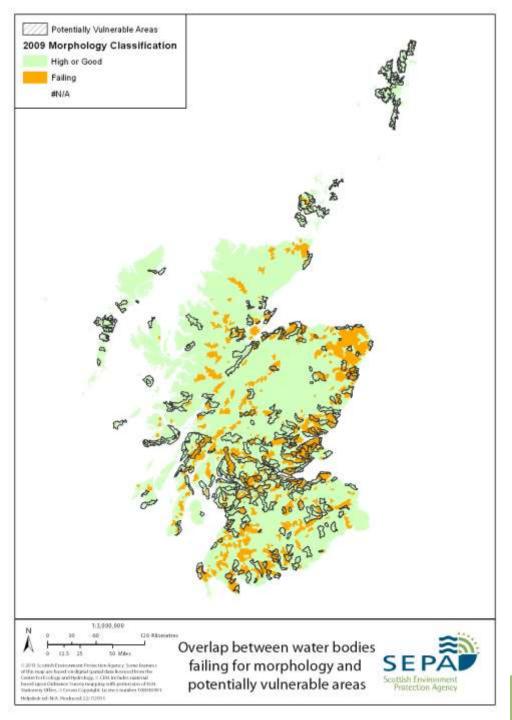




Integration of RBMP and FRM

- Landowner engagement:
  - trust one contact specialists/ geomorphologists
  - time!
  - how we 'sell' restoration
  - funding: SFP/SRDP
  - compensation
  - legal agreements





#### **Catchment selection**

- Step 1 mapped PVAs and water bodies failing for morphology pressures
- Step 2 significant morphology failures and coincidence with significant flood risk
- Step 3 ranking (number of properties at risk, weighted annual damages for agriculture)
- Step 4 multiple benefits/expert judgement/ability to achieve