

# Water management on the Lunan Water



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**– can we give  
nature a little  
help?**



# Improve management of natural assets - eg: smart regulation of water flows



**Local stakeholder concerns identified:**  
flooding, wetland ecology, irrigation, fisheries and water quality

**Question:**  
Could water levels in lochs and wetlands be managed to give better ecosystem services across the catchment using smart hydraulic controls?  
(eg tilting weir)



**Impact at low flows**

£30k annualised value of relieving irrigation restriction

Weir could relieve low flow and promote abstraction reporting

**Impacts on wetland ecology**

Water quality influences wetland biodiversity in Chapel Mires

Weir could divert sediment and nutrients from Chapel Mires

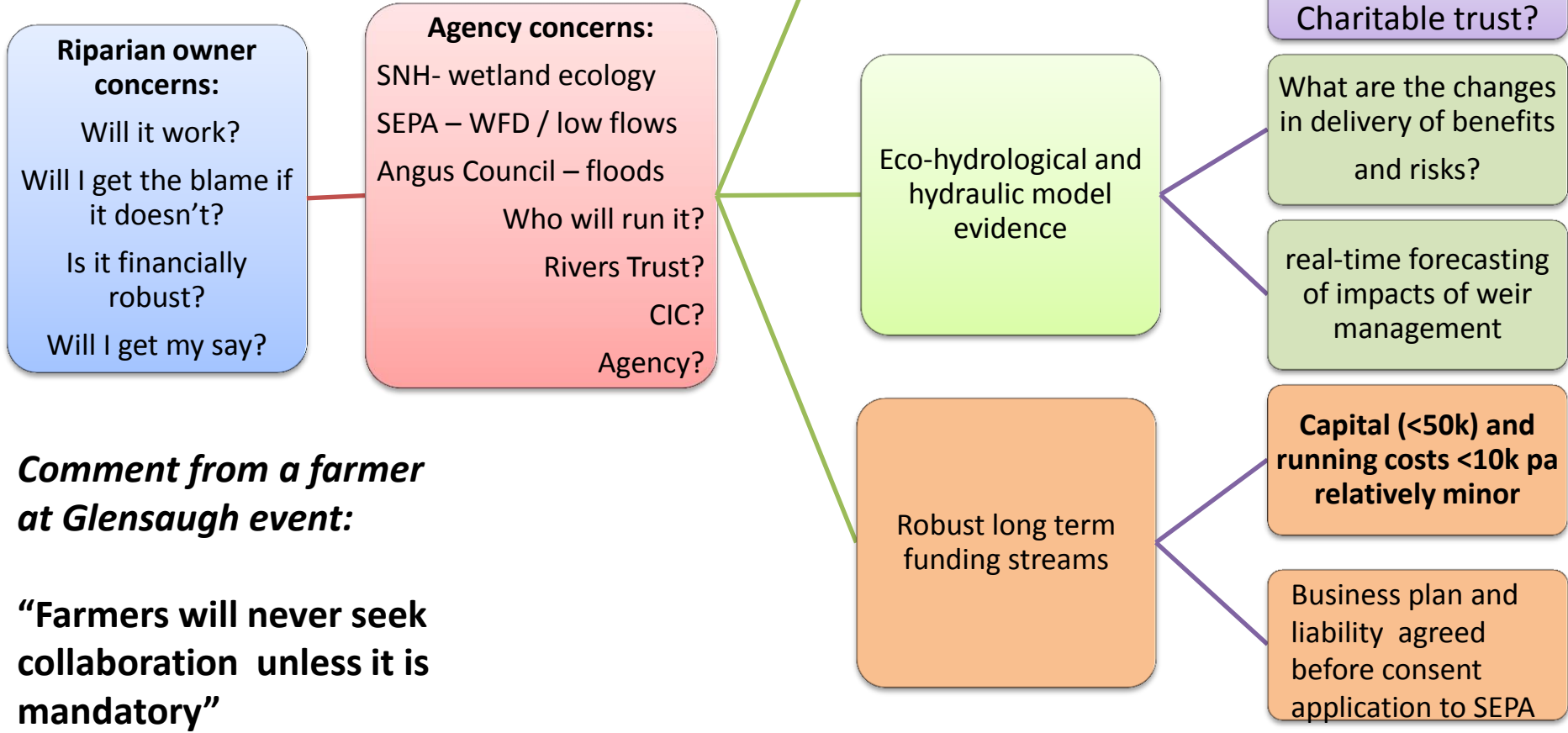
**Flooding impacts**

Increasing loch water levels over 15y

Weir could enable smart storage and halve flood risk to upper catchment

# Developing management instruments

## -Could a community interest company work?



***Comment from a farmer at Glensaugh event:***

**“Farmers will never seek collaboration unless it is mandatory”**