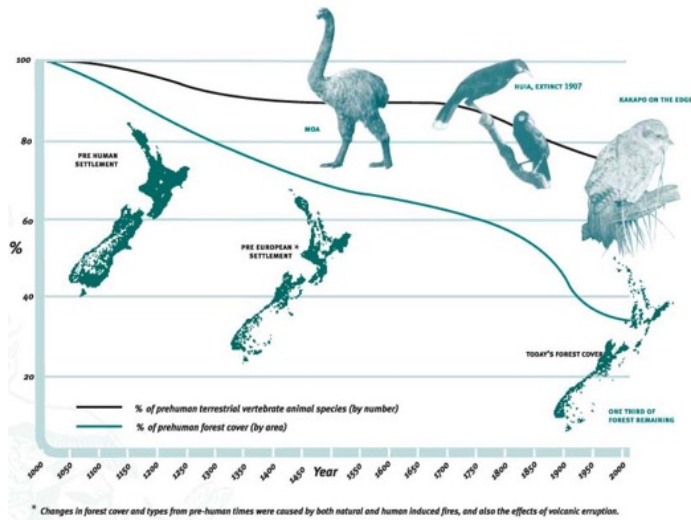
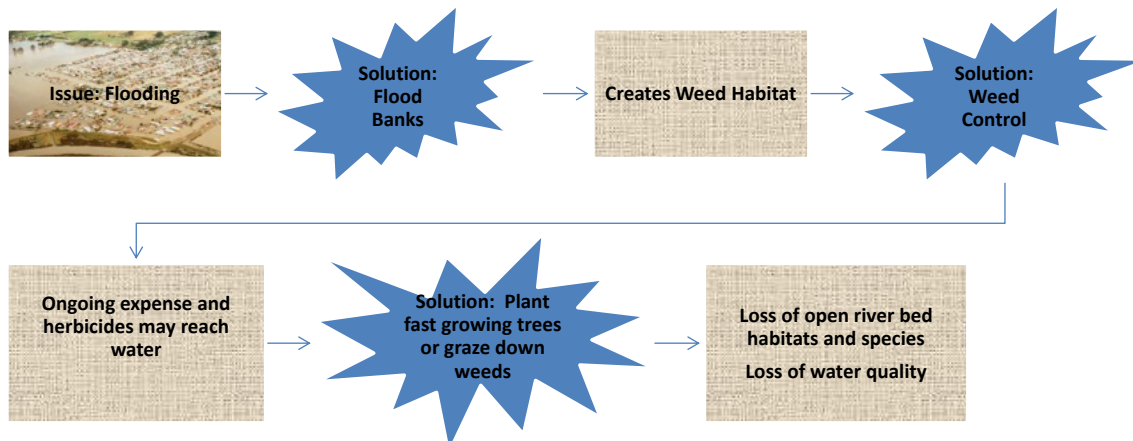


A piece by piece approach is not working!



Un-intended consequences





Shift 4: Greater collaboration at strategic and operational levels



Biodiversity Strategy

When we started we thought the problem was about:



The problem became about:



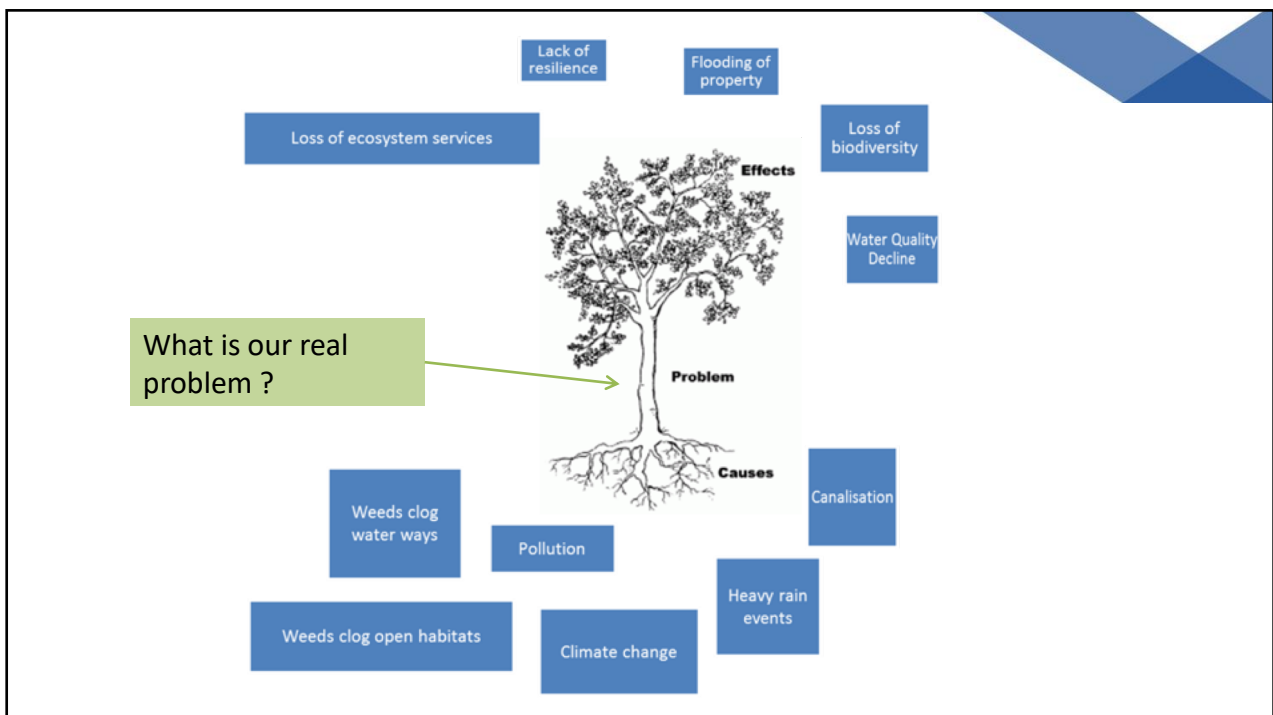
Catchment management

If we pool our knowledge on catchment management would the problem and the approach change?



Could we apply this to a catchment?

- First we need to understand our local jigsaw and our problem tree
- We can then identify the key pieces and intervention points



Working collaboratively on intervention points

- Will reduce the risk of un-intended consequences
- Bring together a range of ideas, experience and innovative solutions



Can this actually work?

Slowing the flow – North Yorkshire UK

- Couldn't afford conventional flood control works
- Formed a collaboration between locals, universities and agencies
- Flood alleviation by working with natural processes
- Reduced the risk of flooding from a 25% chance in any year to a less than 4% chance.
- Reduced peat erosion and improves water quality



Catchments Otago could help with?

- Technical solutions
- Economics
 - Willingness to pay
 - Searchers Vs Planners
- Ecology
 - Could the key stone species concept work for the wider environment to find a the key interactions?
- Behavioural science
 - How do we help people understand the value of our biodiversity and ecosystem services?
- Modelling interventions and predict outcomes
- Could flooding actually be a solution?
- Facilitating and helping to define the problems

Our Catchments

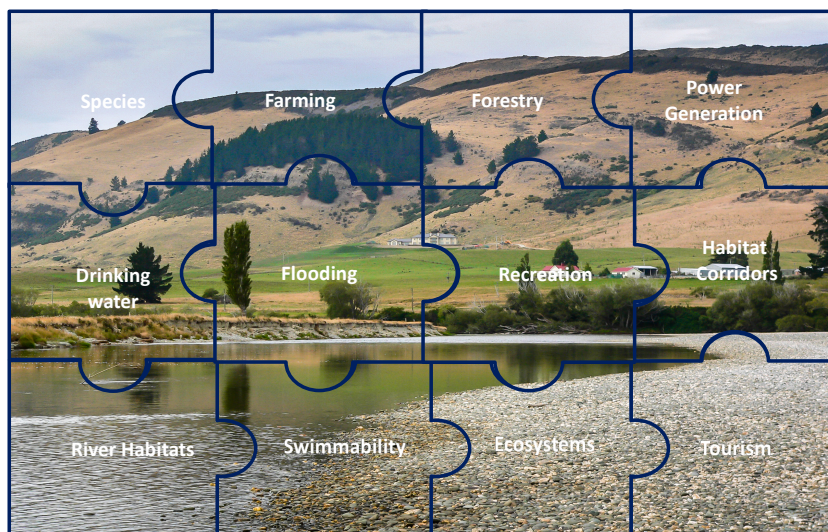


Photo Credit Les Ladbrook