

What is a braided river?





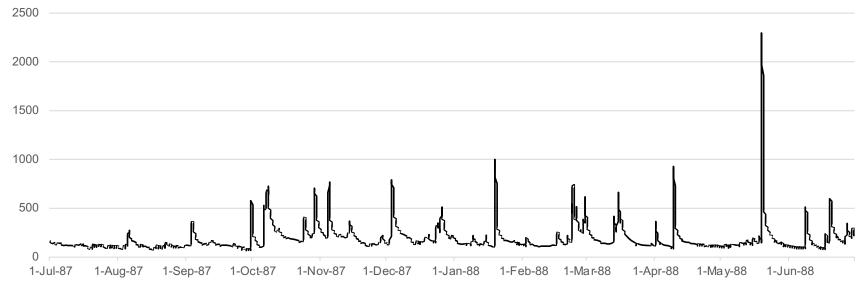


What causes braiding?



- Flooding
- Sediment supply
- Room to move



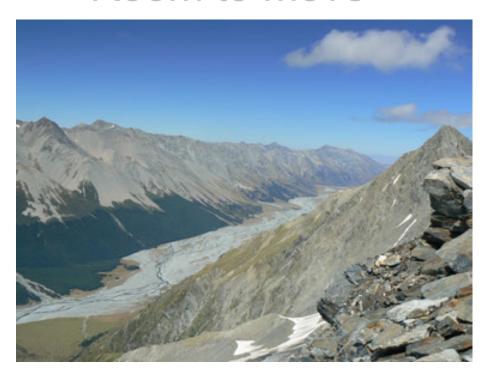




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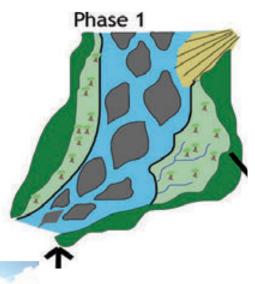




Habitats



- Ecological deserts?
- Highly disturbed
- Mobile channels









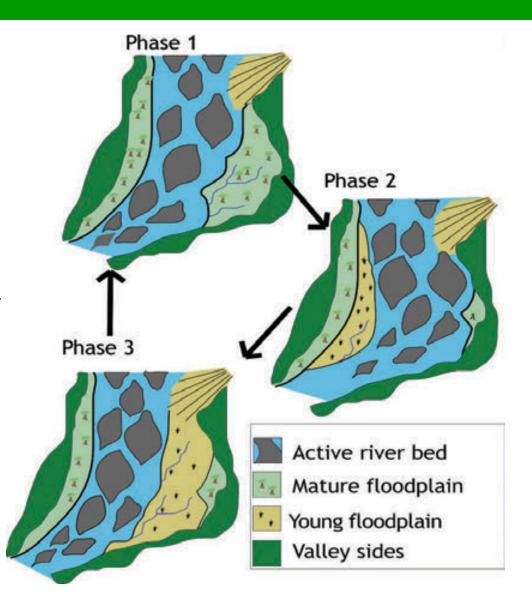
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BUT

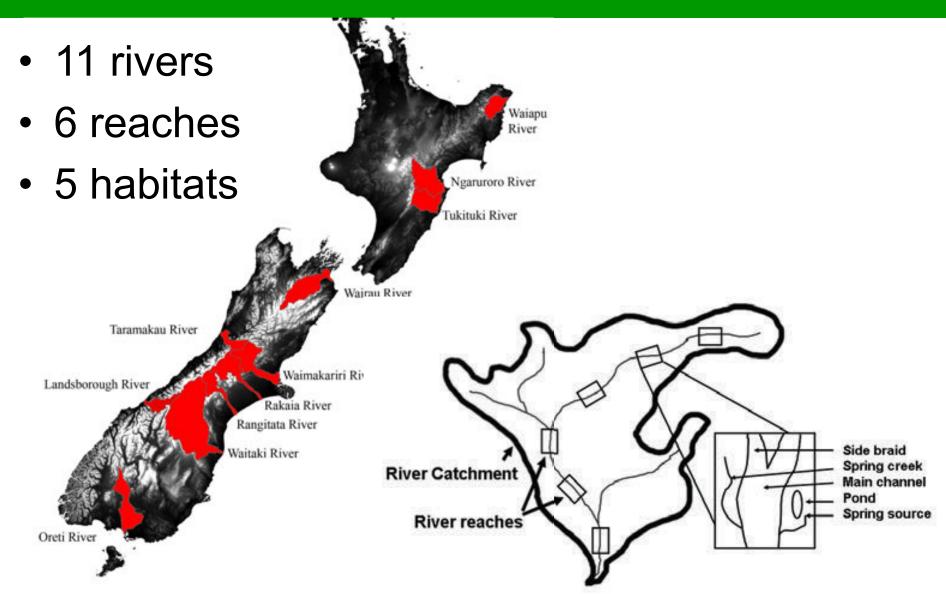
- Wider braidplain
- Lateral habitats
- High successional diversity





Inventory

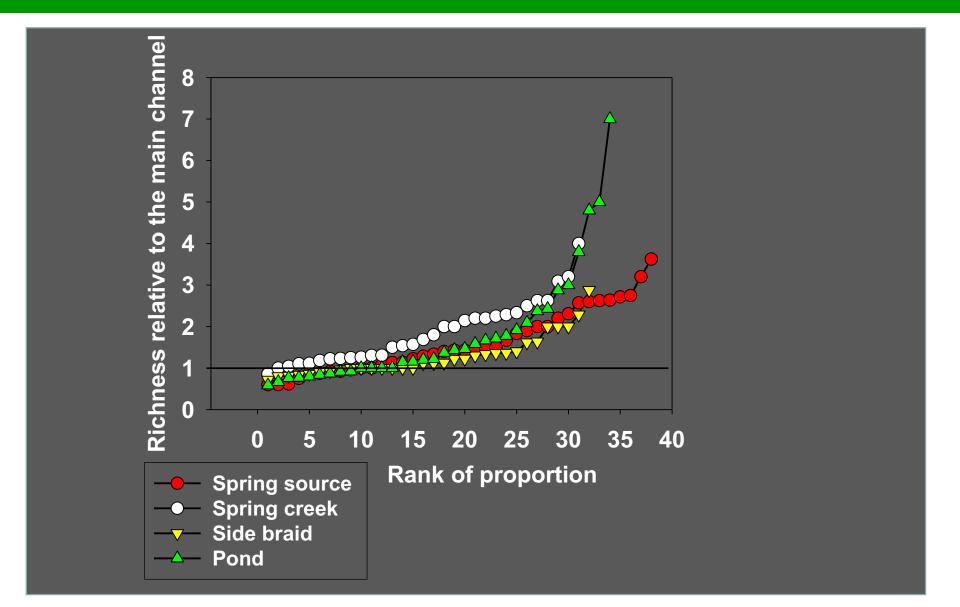






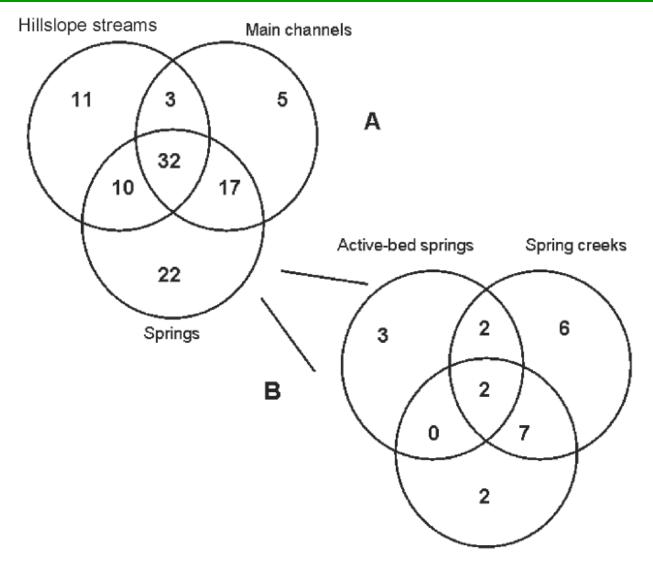
Macroinvertebrates





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Floodplain springs



High biodiversity



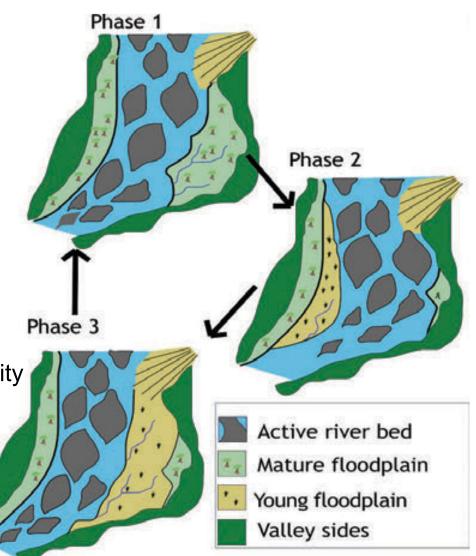
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THUS

Overall high ecological biodiversity





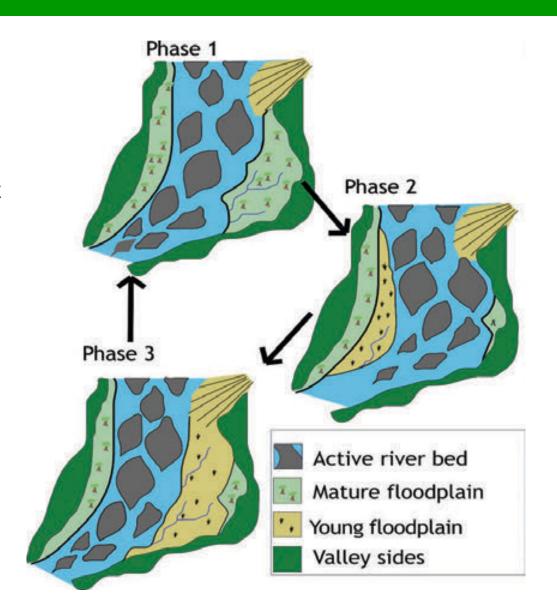
Habitats constantly turnover



Dynamic yet stable?

Sub-populations transient but total populations very stable?

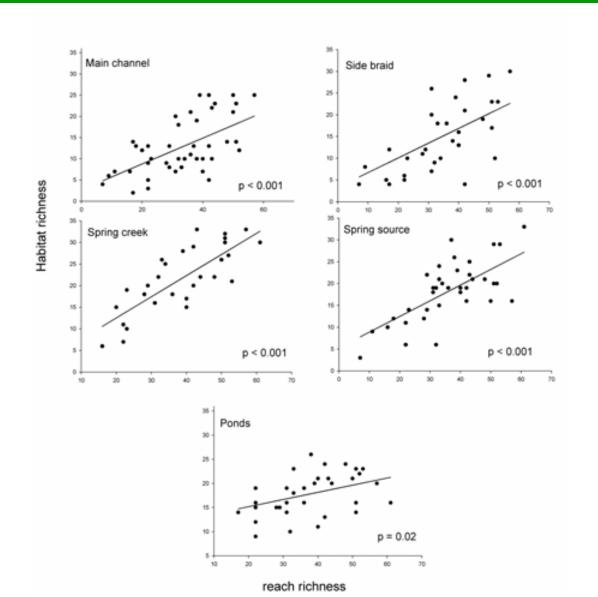
Dispersal?





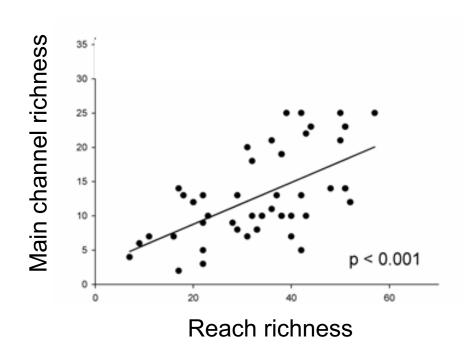
Habitats are interdependent





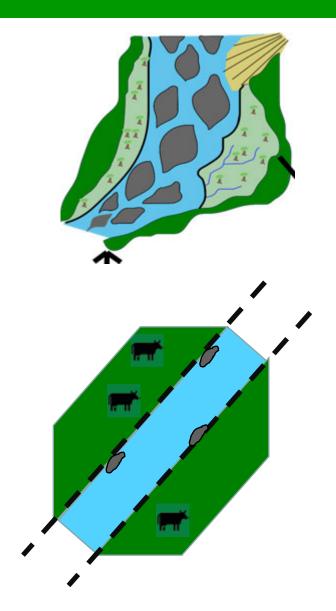
Habitats are interdependent





Loss of lateral habitats degrades the main channel

Reduces resilience to disturbance – floods and climate change



Diverse ecological systems

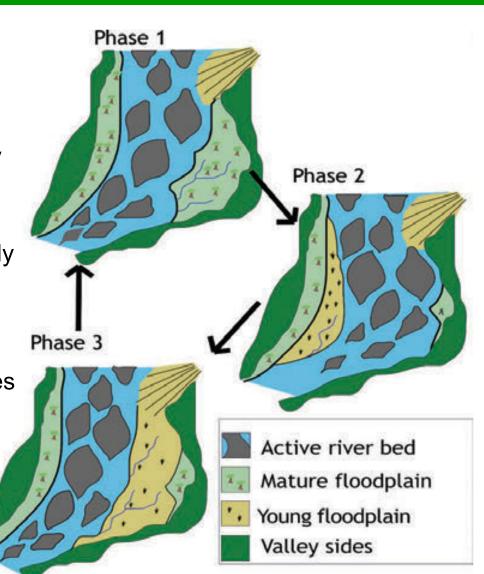


•Intact braided rivers and braidplains are physically complex and constantly changing.

•The habitat mosaic allows ecologically rich communities to exist.

•The whole systems are vulnerable to the loss of lateral habitats and changes in the mosaic.

Not just aquatic bugs but also, birds, fish, lizards, plants, terrestrial insects and the values of people





Trouble in paradise













The Rub



 Many of the impacts on braided rivers have an economic basis

 There will be an economic cost to resolving these issues

•How much do we value these rivers?