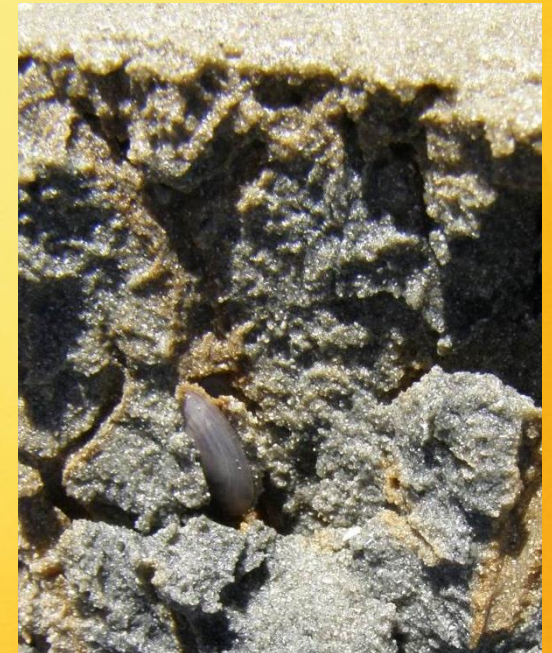


Macroinvertebrate monitoring in the Murray Mouth and Coorong

Sabine Dittmann



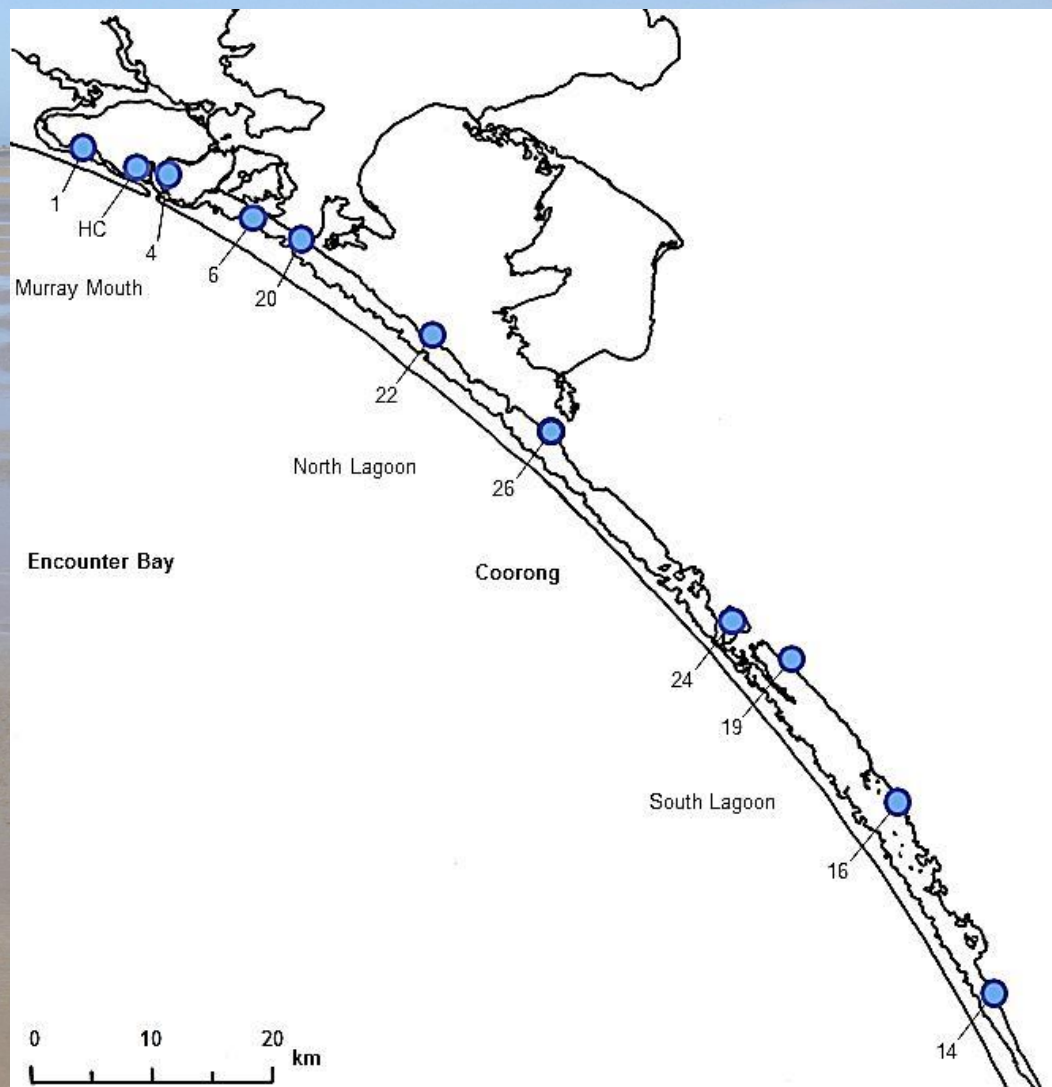
Flinders
UNIVERSITY
inspiring achievement



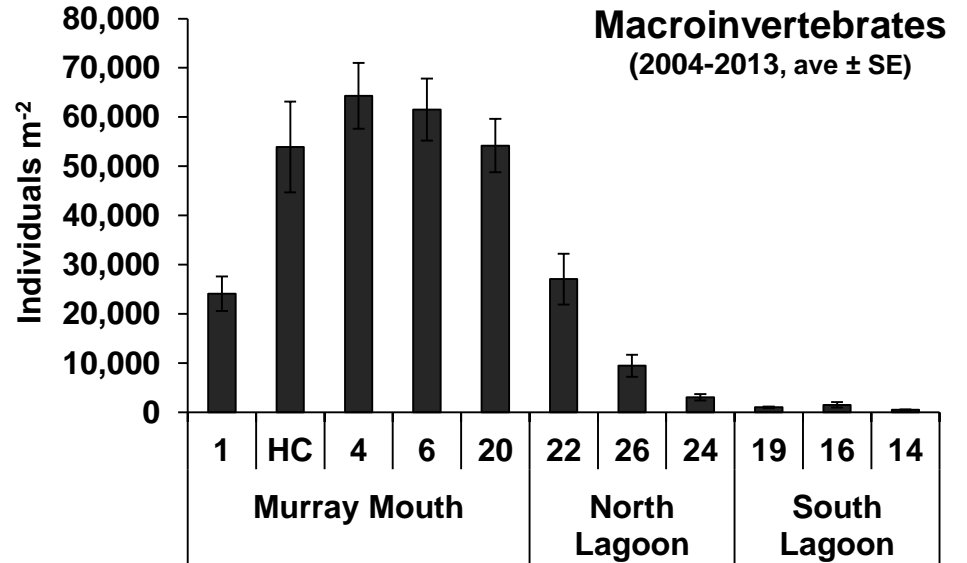
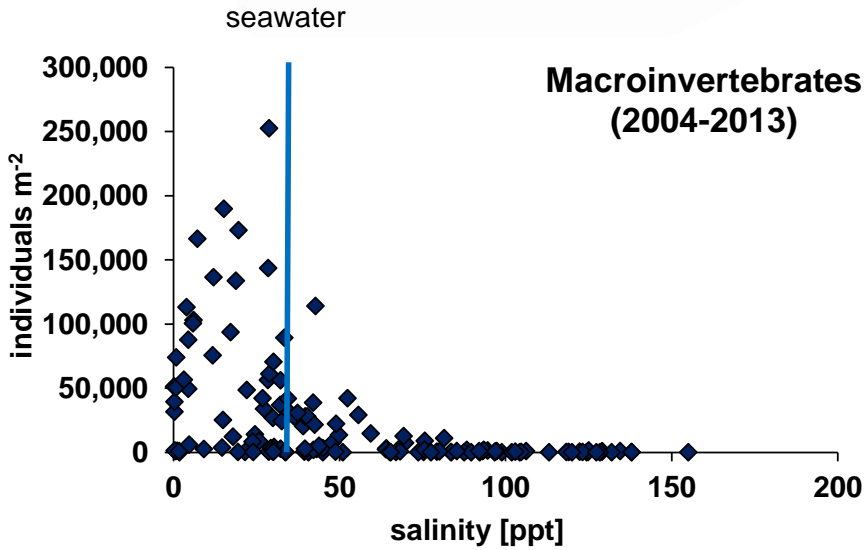
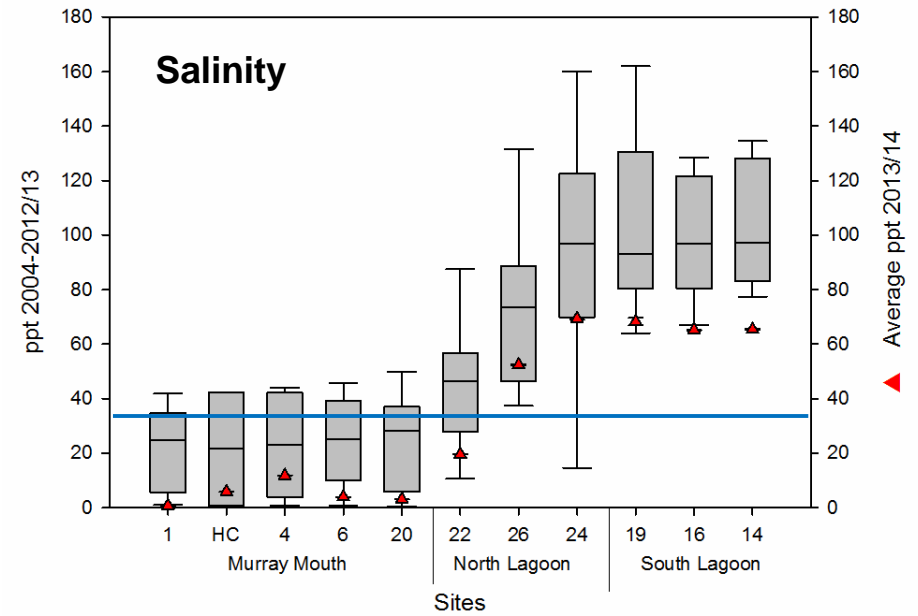
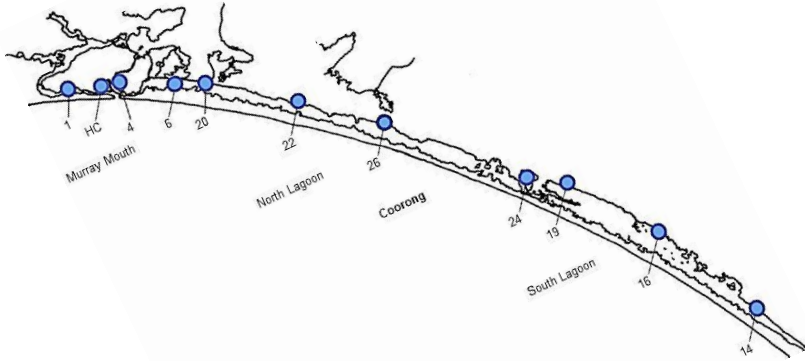
Why macroinvertebrates?



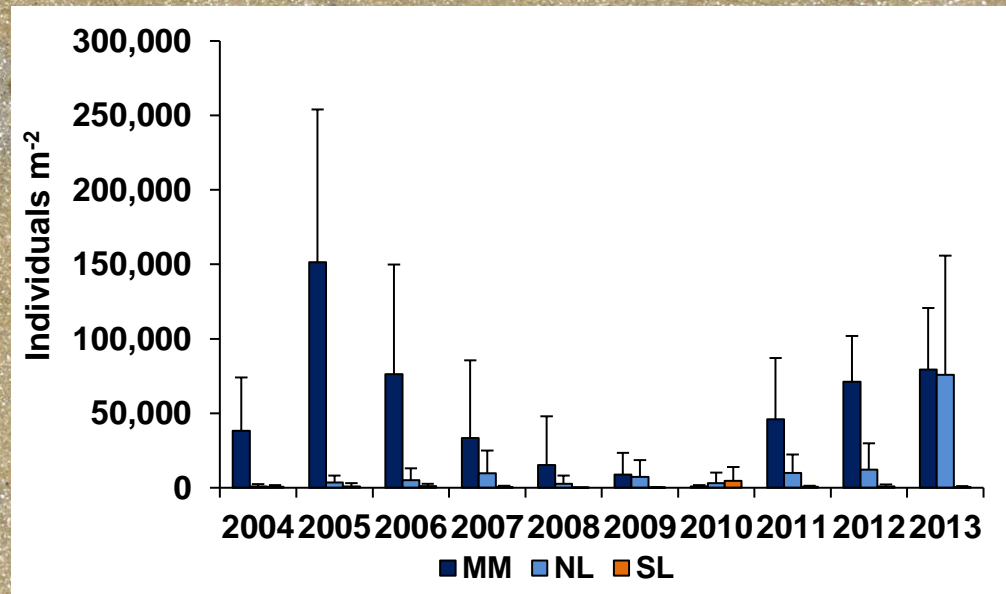
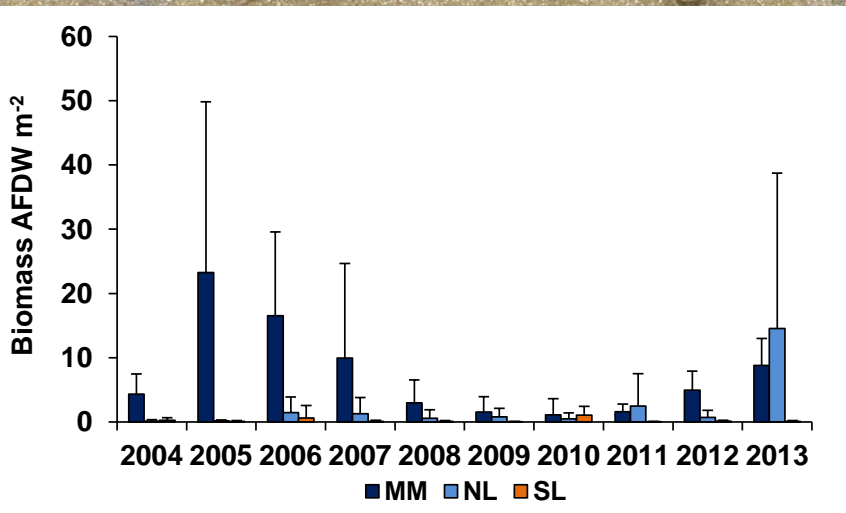
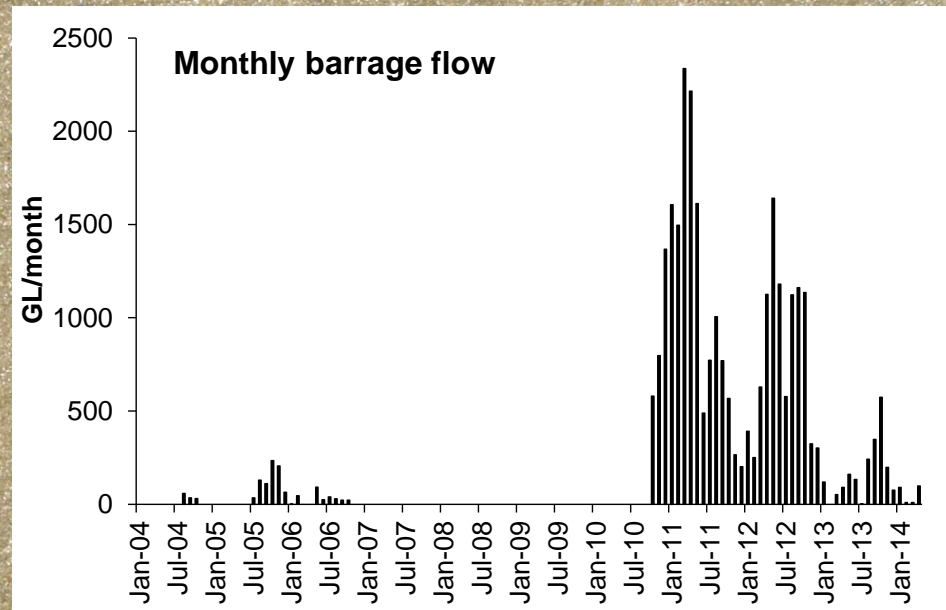
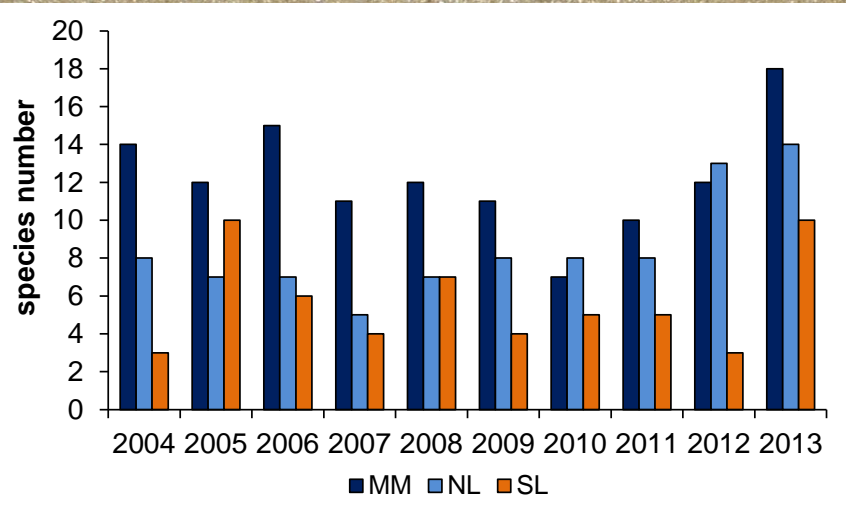
Where and how do we sample?



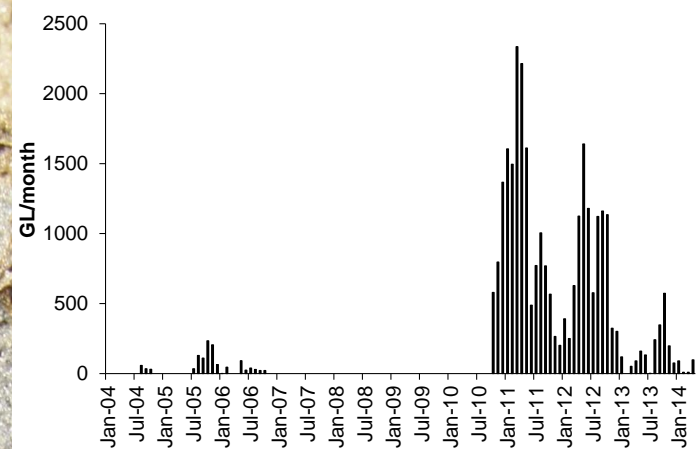
Pattern in space – gradient; distribution



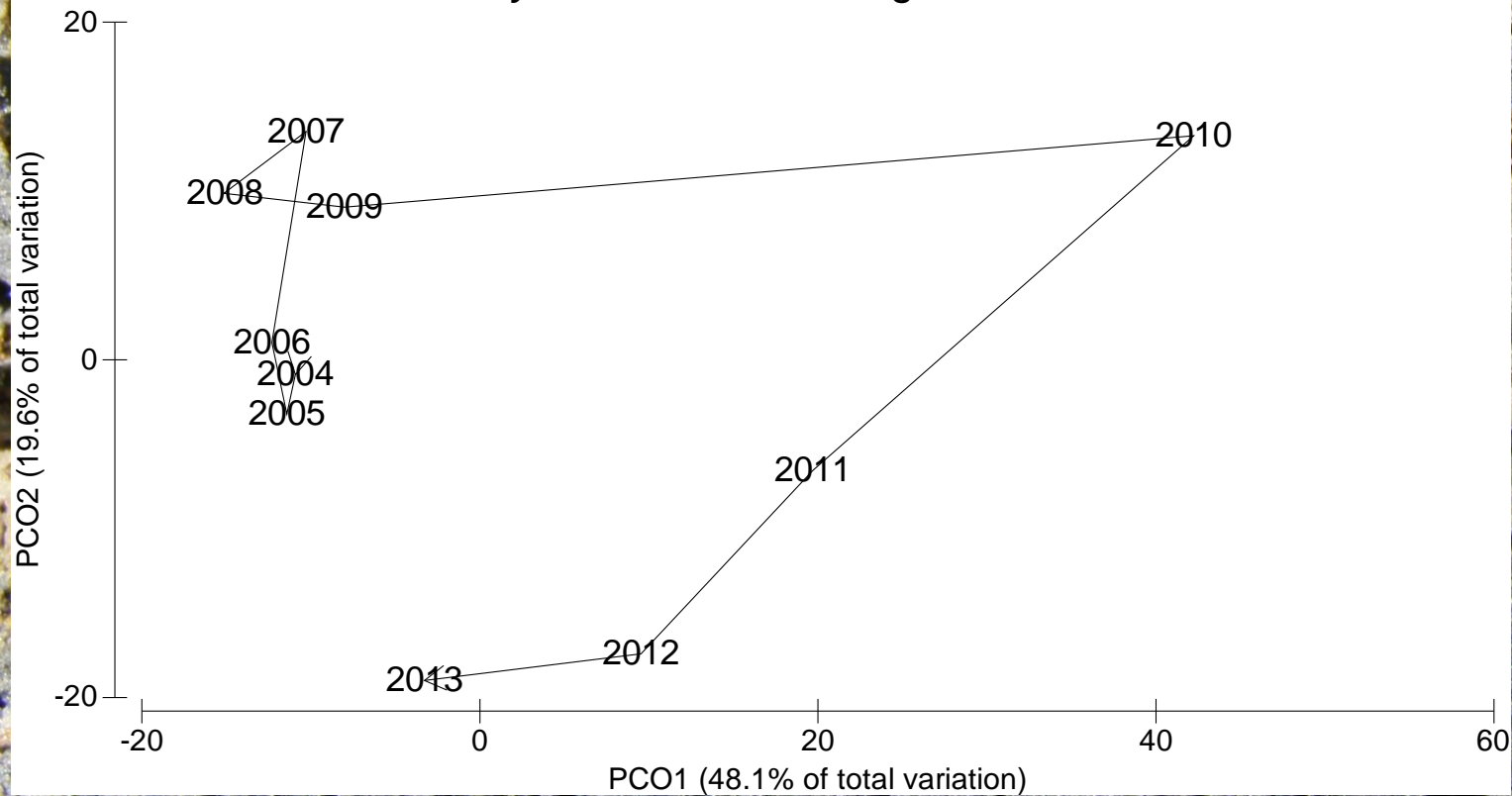
Pattern in time – long-term, drought & flood



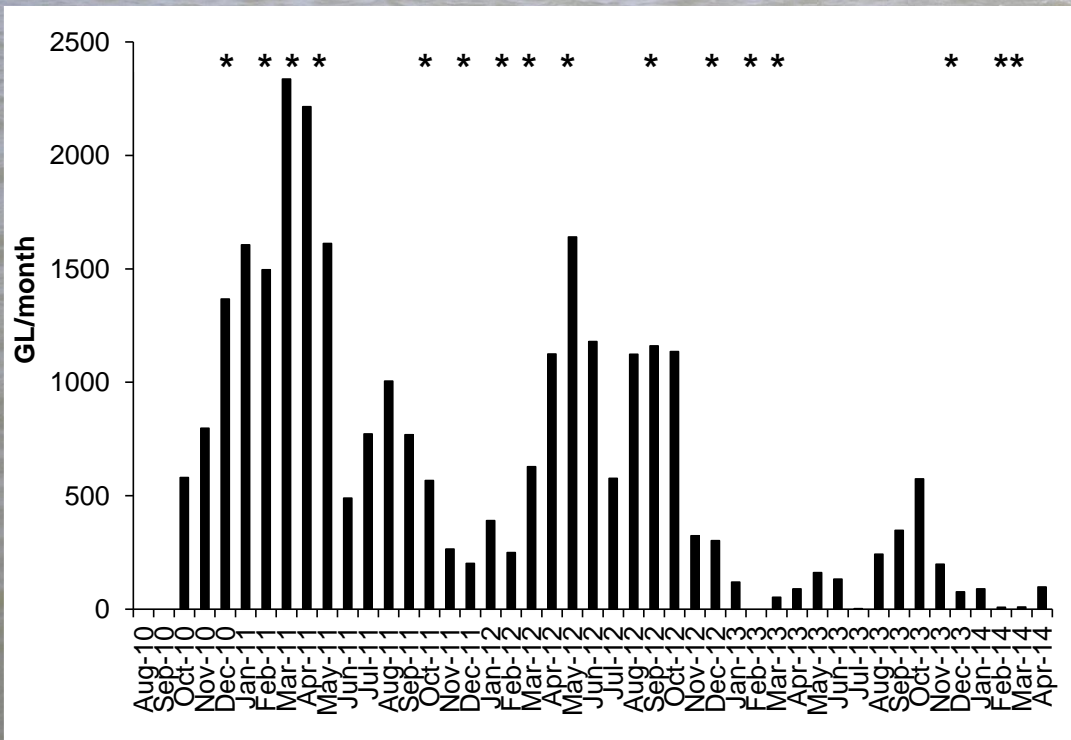
Recovery of macroinvertebrate community

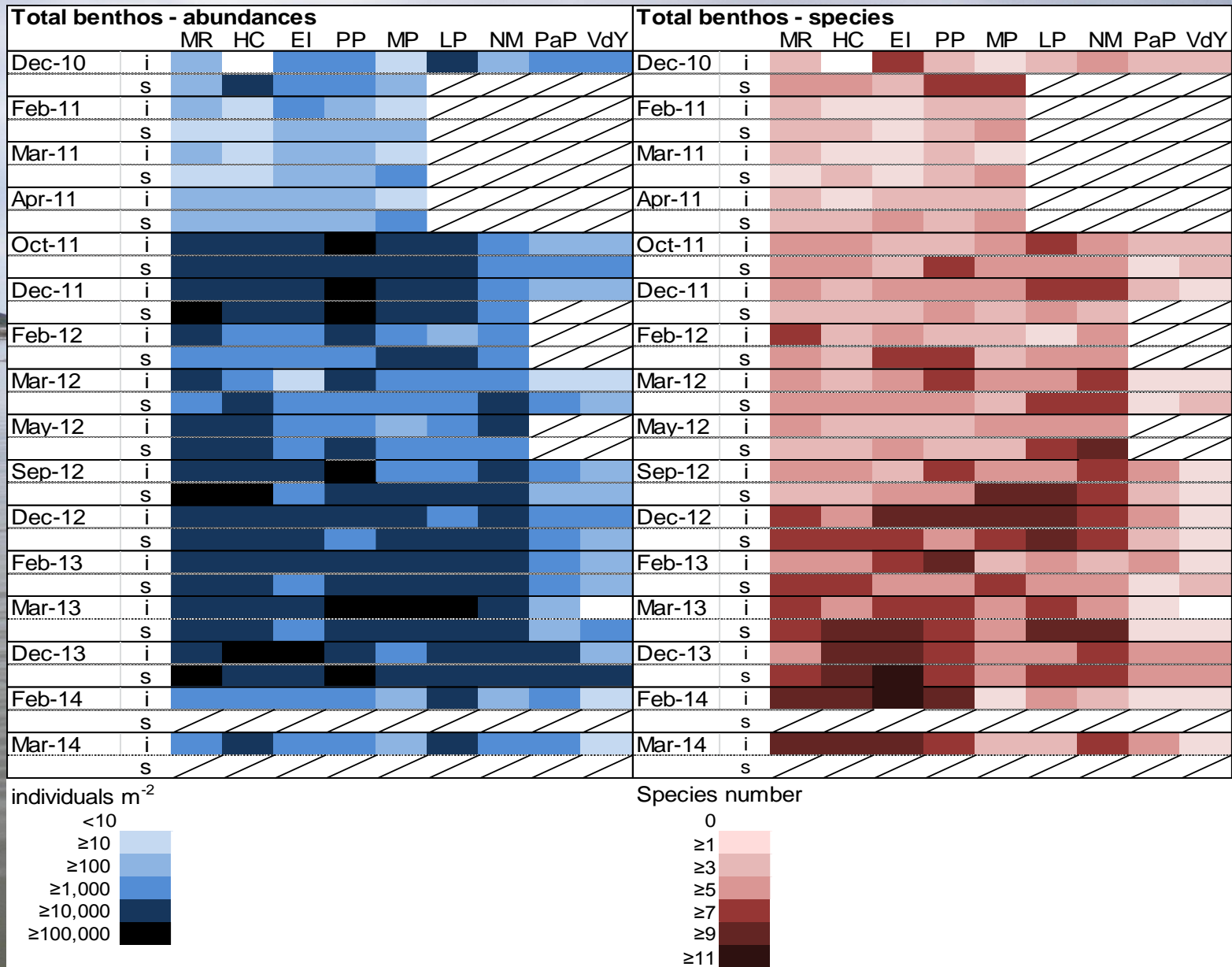


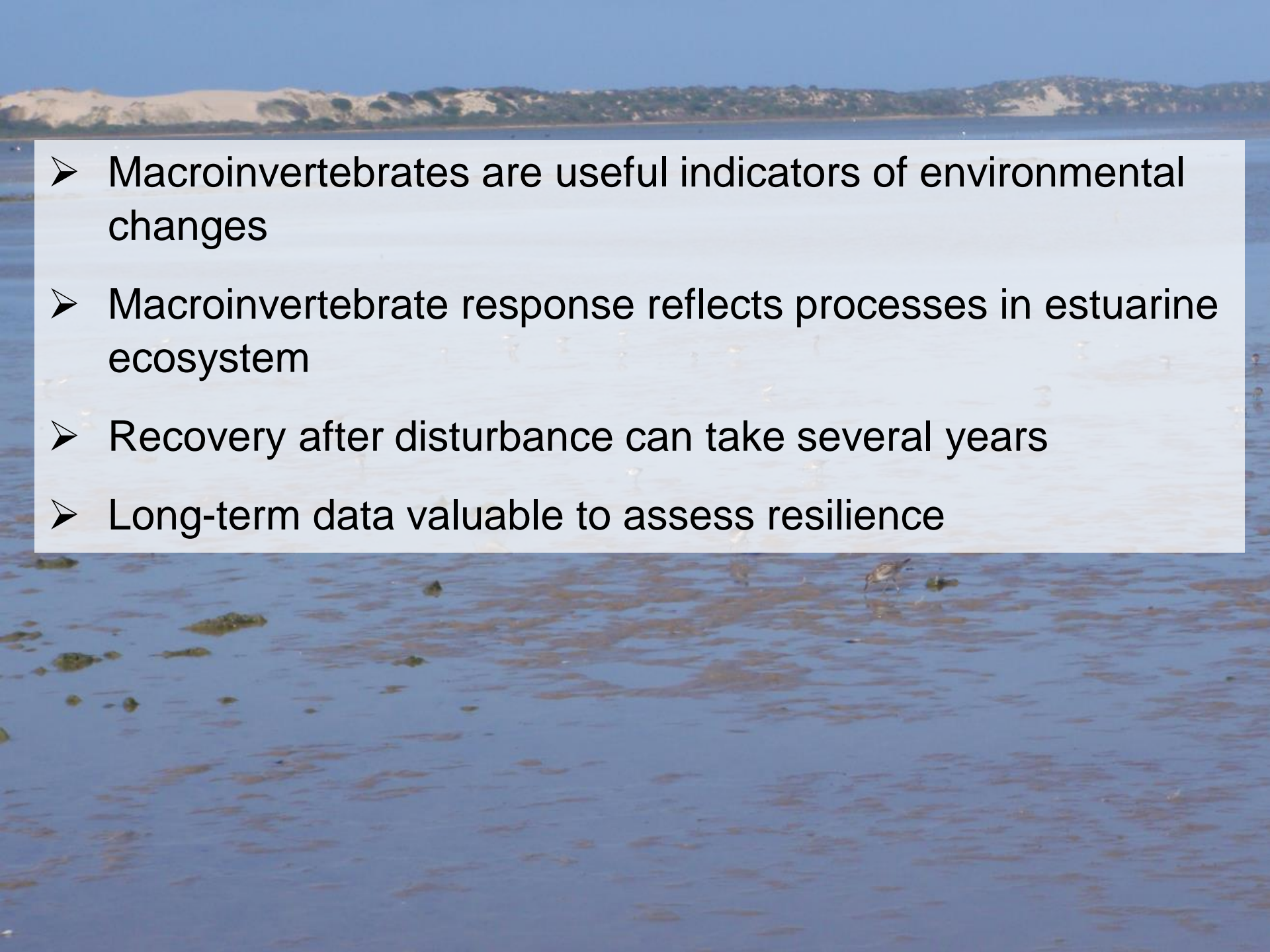
Murray Mouth and Coorong 2004-2013



Pattern in time – response to flow restoration





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- Macroinvertebrates are useful indicators of environmental changes
 - Macroinvertebrate response reflects processes in estuarine ecosystem
 - Recovery after disturbance can take several years
 - Long-term data valuable to assess resilience

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BASIN AUTHORITY



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Water and Natural Resources