



# Andrew Broadley

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## Summary

The seasonal monsoonal rains of the wet-dry tropics are expected to play a critical role as a potential source of water for use in the irrigation of agriculture and other industries. However, the life history strategies of many species have evolved with the natural variation in seasonal freshwater flow. An example of the significance of seasonal freshwater flow is that of the banana prawn *Penaeus merguensis*, in the southern Gulf of Carpentaria, which relies on tidal currents and freshwater flow to successfully complete its lifecycle and recruit individuals to the commercially important Northern Prawn Fishery. This project seeks to understand and evaluate the trade-offs between water resource development in northern Australia and its impact on the commercially important Northern Prawn Fishery.

## Research Expertise

- Fisheries science and management
- Ecology of coastal fish habitats