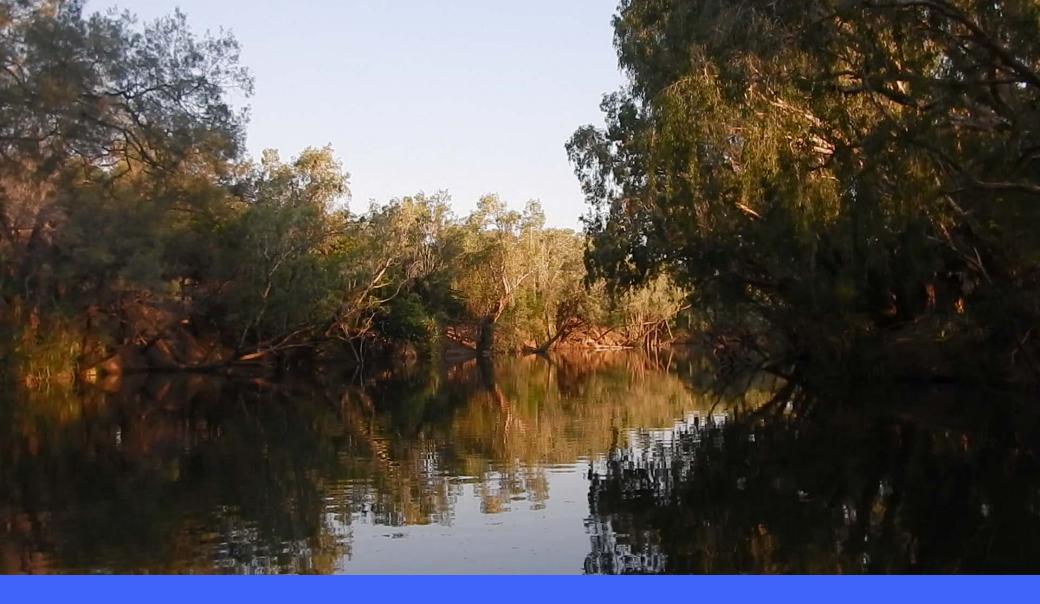


DEPARTMENT OF LAND RESOURCE MANAGEMENT

Introducing the Roper River fish movement study





What is it?

- 4 year collaborative study
- using acoustic telemetry
- to study the large-scale movement of key fish species
- model role of variation in flow on movement responses

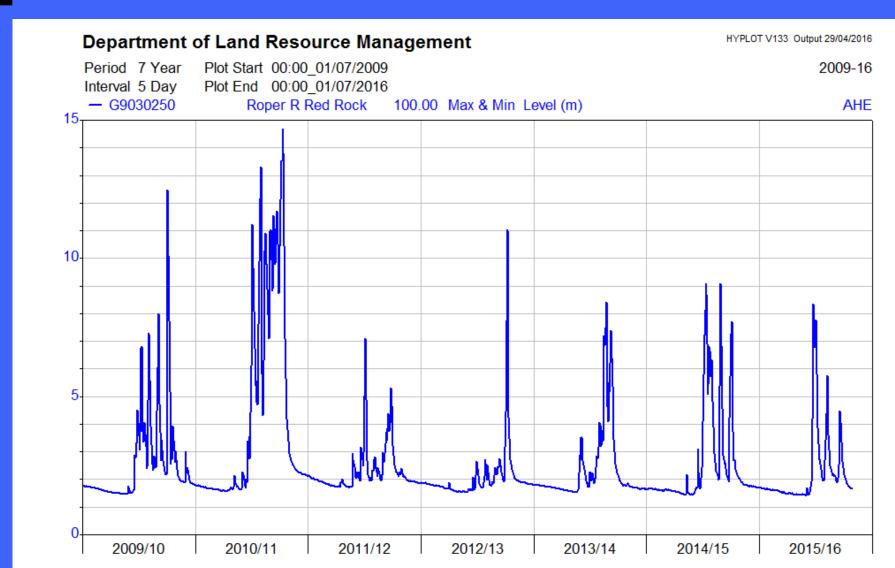




- to provide an ecological underpinning to water policy
 - determine 'flow-ecology' relationships
 - assess ecological risks of flow reduction scenarios
 - remedy knowledge deficit



Questions



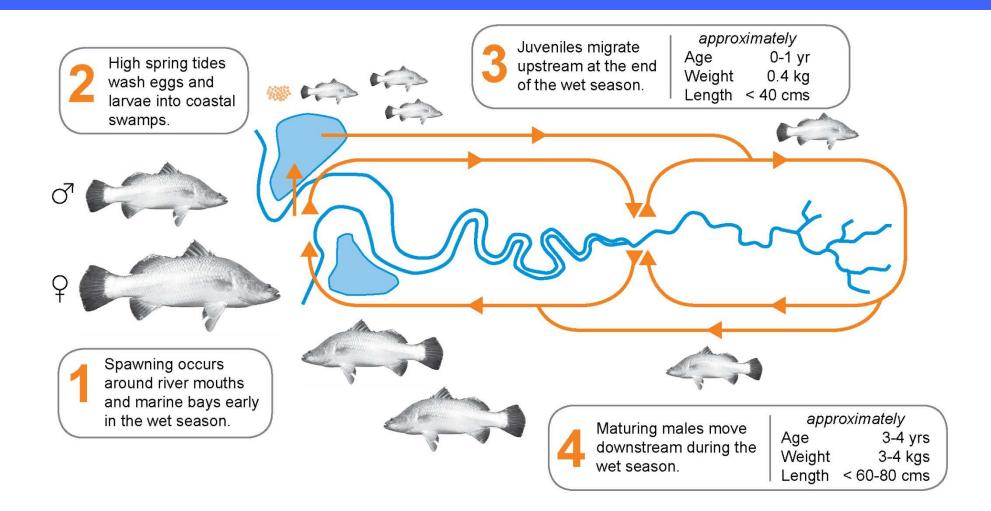


Target species





Barramundi life cycle





River migrants





Target species





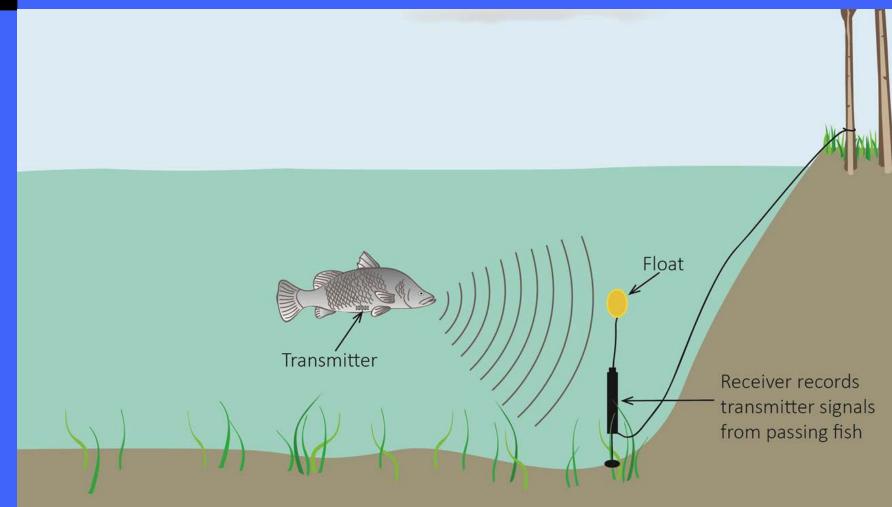
Acoustic telemetry





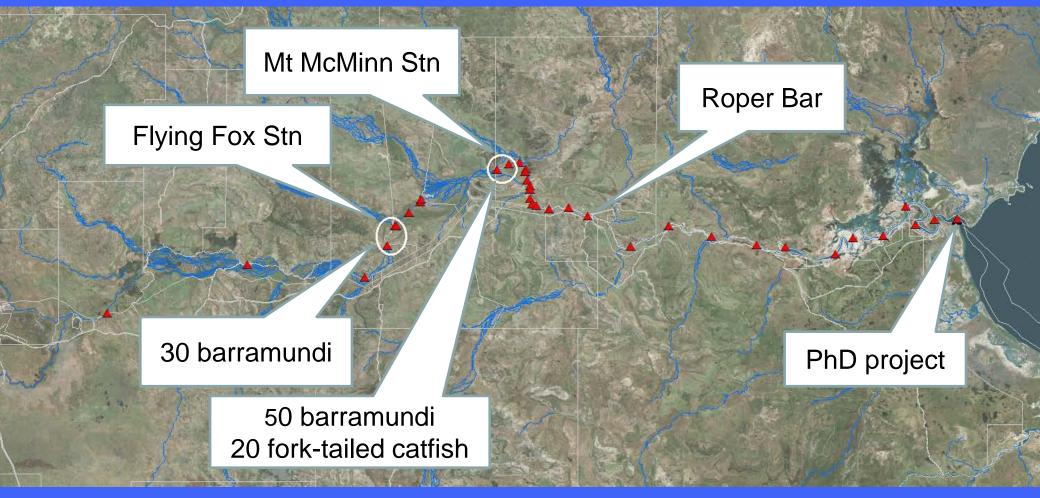


Receiver deployment





Acoustic receiver array and tagging locations





Stream barriers



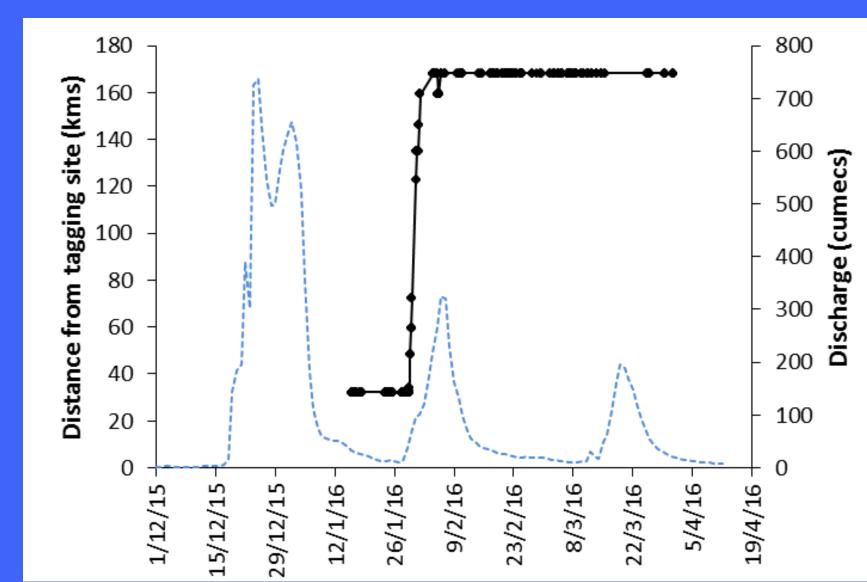


Data download



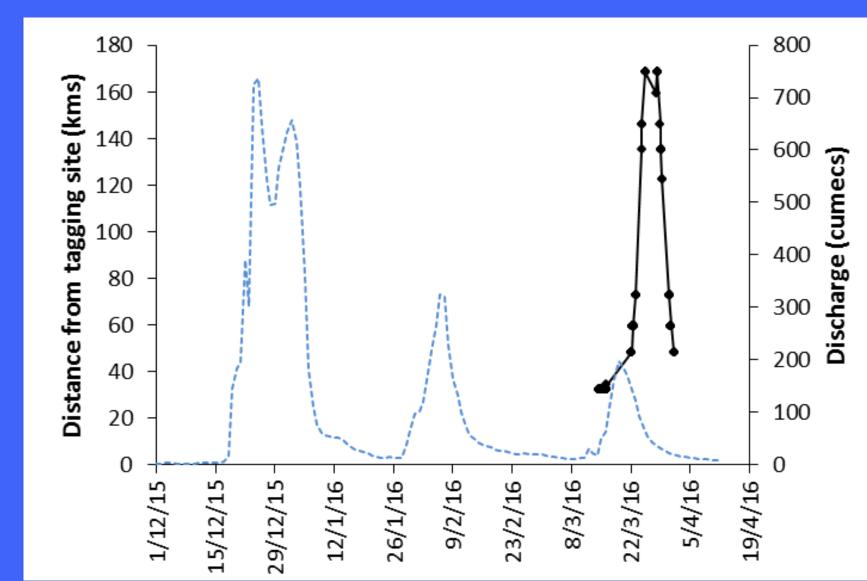


Barramundi (Mt McMinn, 84 cm)



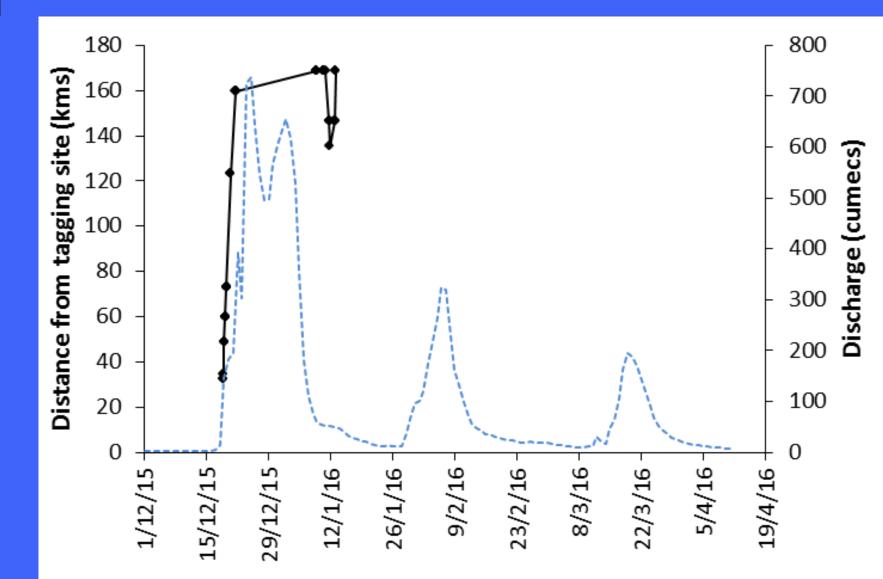


Barramundi (Mt McMinn, 101 cm)



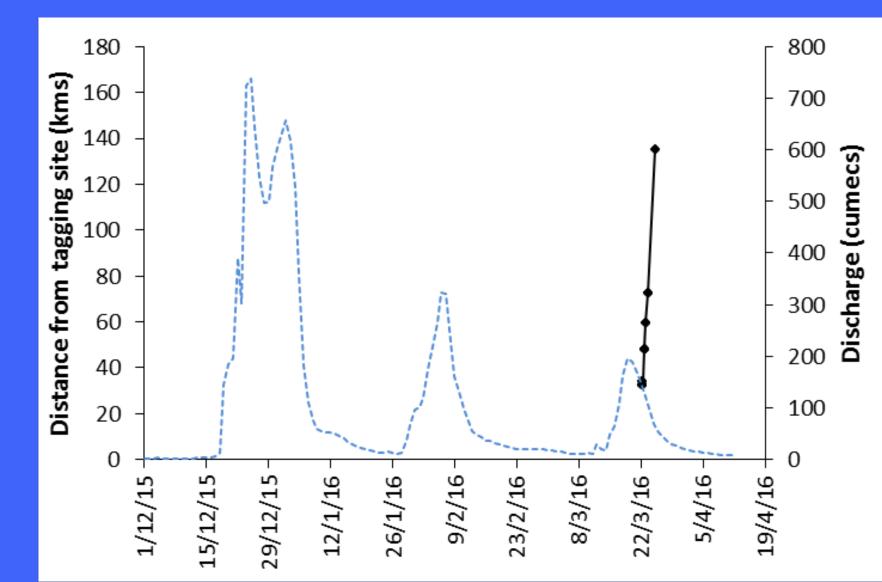


Barramundi (Mt McMinn, 80 cm)

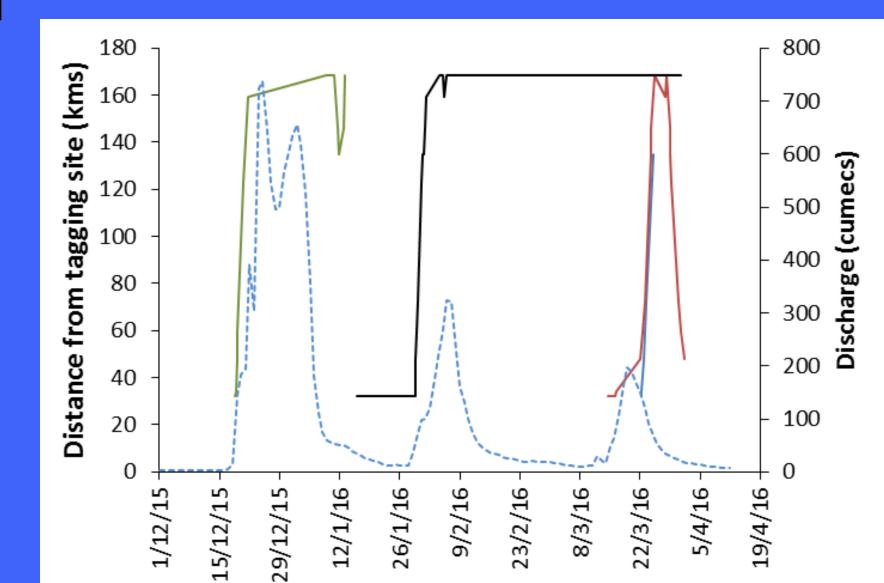




Barramundi, Mt McMinn (64 cm)









Reporting

- annual project report July
- presentations to key stakeholders
- track animations on CDU/DLRM webpages
- updated project fact-sheets
- media articles and information to stakeholder groups

Contacts

Dr Peter Dostine

Department of Land Resource Management PO Box 496 Palmerston NT 0831 peter.dostine@nt.gov.au

Dr David Crook

Research Institute for the Environment and Livelihoods Charles Darwin University david.crook@cdu.edu.au

Dr Thor Saunders

Department of Primary Industry and Fisheries GPO Box 3000 Darwin NT 0801 thor.saunders@nt.gov.au

www.nt.gov.au



DEPARTMENT OF LAND RESOURCE MANAGEMENT

Tracking barramundi in the Roper River

This project is a collaborative partnership between the NT Department of Land Resource Management, the Research Institute for the Environment and Livelihoods at Charles Darwin University, NT Fisheries and the Yugul Mangi Land and Sea Management Rangers.



