



WAMSI Project 4.4 – Captured Species Assessments

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Linkages within WAMSI

- Close links to WAMSI Project 4.1
- Collecting fisheries data on target and bycatch species to contribute to application of EBFM of fisheries in WA
- Links with other Nodes and projects (e.g. Influences of oceanographic processes, climate on fisheries)



4.4 Project Development

- EOI process
- Templates for Preliminary Research Proposals (PRPs) and scoping documents were sent to researchers
- Proposals assessed by the Node 4 Steering Committee




Three sub-projects

4.4.1 – Assessment and monitoring of bycatch (Richard Campbell)


4.4.2 – Stock Structure (Gary Jackson and Phillip England)

4.4.3 – Monitoring the catch of the non-commercial sector (Brent Wise)



Sub-project 4.4.1 - Assessment and monitoring methods for bycatch species composition and abundance

- Estimate the level of cumulative impact on bycatch of listed and non-listed species taken State fisheries in West Coast and Gascoyne Bioregions
- Develop cost-effective long-term monitoring programs.
- Develop a bioregional-bycatch-database.



Sub-project 4.4.2 - Implications of mobility, stock structure and biology of species for management

- Determine how stock structure of key indicator species in each bioregion interact with existing spatial management
- Collaborative project
 - DoF - otolith microchemistry
 - MU, CSIRO, DoF - genetics
 - DoF, CSIRO, MU – Integration of stock structure with hydrodynamic modelling
 - DoF, CSIRO - evaluation of ELFSim



Sub-project 4.4.3 - Develop cost effective methods for monitoring the catch of the non-commercial sector

- Develop cost effective methods to measure catches by non-commercial fishing sectors, sufficient to allow data to be used reliably to assess stocks status/sustainability and the management of sectoral allocations.

Linkages within 4.4

- Bycatch
- Stock structure
- Non-commercial catches

- Contribute information to enhance the sustainability of State-managed fisheries

