



Marine Science in WA 2010 Show-&-Tell

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**Newsflash title: SHARK BAY Scallop and Prawn
Fisheries**





SHARK BAY Scallop and Prawn Fisheries

- ❖ Scallop and prawn fisheries exploit the same fishing grounds
- ❖ Separate spatial and temporal management rules and gear restrictions
- ❖ Both fleets believe gear interactions may negatively impact on the quality, yield and recruitment of the target species
- ❖ Research needed to evaluate the real impacts of fishing interactions



Objectives of this research

- ❖ Assess trawl induced mortality due to repeated discarding of scallops – TAG RECAPTURE EXPERIMENTS
- ❖ Improve gear efficiency to reduce the capture of small scallops and bycatch – MESH SELECTIVITY TRIALS OF DIAMOND vs SQUARE shaped codends
- ❖ Understand environmental variables driving recruitment of target species in the bay – HYDRODYNAMIC AND LARVAL DISPERSAL MODELING (UWA)

