

## RESEARCH PROJECTS

Short Title	PI Surname	TPM Project Number	Future following relocation
Development of methods to determine the effectiveness of fishery management strategies on the Hawkesbury River estuary	Astles	R-Con2008/159	To be completed at new location, increased costs
Vulnerability assessment of the effects of climate change on estuarine habitats in the lower Hawkesbury estuary	Astles	R-Con2010/203	Final report completed, currently being reviewed, completed at new location
Qualitative ecological risk assessment (QERA) of human disturbances on marine biodiversity in NSW	Astles	R-Con2011/227	On going to be completed at new location
Monitoring of Gamefish and Australian bass fisheries in NSW via competition-based angling	Ghosn (formerly Scandol)	R-FSR2007/185	Continue, current project completes June 2013, await review of outcomes and recommendations re further project configuration
Integrated Fisheries Resource Management (Philippines)	Gibbs	R-Con2005/107	Completed by relocation date
Risk assessment of impacts of climate change for key species in south eastern Australia	Gibbs	R-Con2010/204	Completed by relocation date
Refinement and application of Cage Aquaculture Decision Support Tool (CADS Tool) for freshwater systems in the Philippines	Gibbs	R-Con2010/205	On going to be completed at new location
BIOMAS 2.0. Upgrade to the Bio-economic Modelling and Assessment System	Ives	R-FSC2011/270	Scientist has indicated he will accept redundancy if CFRCoE is closed so project will cease
Comparative assessment of reproduction and growth of coastal finfish and invertebrates	Gray	R-FSC2005/165	Staff accepted redundancy (Barnes). Final report and outputs delayed.
Observer-based survey of retained and discarded catches from commercial line fishing in coastal waters of NSW	Gray	R-FSC2006/179	Scientist accepted redundancy (Macbeth). Final report and outputs delayed. Recruitment of replacement commenced.
Evaluating the estuarine fisheries resources of NSW	Gray	R-FSC2008/197	Scientist accepted redundancy (Rotherham), support staff accepted redundancy (Barnes). Technicians being relocated separately. Project incomplete and on-hold, outputs delayed.
Feeding and breeding: Rainfall effects on connectivity and fidelity of iconic coastal fishes	Gray	R-FSC2009/223	Continue, staff reallocation, delayed and increased costs,
Primer development and assessment of population structure of dusky flathead and sand whiting	Gray	R-FSC2010/240	Continue, delays and increased costs

Evaluating the recreational fisheries of Recreational Fishing Havens and other key recreationally-fished estuaries in NSW	Gray	R-FSR2008/199	Scientist accepted redundancy (Rotherham), scientist on maternity leave (Ochwada-Doyle), support staff accepted redundancy (Barnes). Project incomplete and outputs on-hold and delayed.
Movements and ecological interactions of key fish species in estuaries and coastal waters of NSW	Gray	R-FSR2008/219	Continue, PHD projects, increased costs
Profiling the biology and fishery of rock blackfish ( <i>Girella elevata</i> ) in the Sydney region	Gray	R-FSR2009/231	Continue, PHD project, increased costs
Study of ghost fishing in the NSW Rock Lobster fishery	Liggins	R-FSC2006/173	Continue, delays associated with relocation, increased costs.
Stock assessment and related research for the eastern rock lobster, <i>Jasus verreauxi</i>	Liggins	R-FSC2000/018	Continue, but increases in costs associated with the relocation need to be paid by department, not industry
A biological basis for fishery management strategies for Carcharhinid sharks commercially exploited in NSW waters	Macbeth (Gray)	R-FSC2009/233	Continue, PHD project. Scientist accepted redundancy (Macbeth), outputs and final report delayed
Observer surveys in the commercial large-shark fishery and ocean prawn-trawl fishery of NSW	Macbeth / Gray	R-FSC2009/224	Scientist accepted redundancy (Macbeth), Prawn Trawl report complete, shark report not finalised and delayed
Reducing uncertainty in the assessment of the Australian spanner crab fishery	Montgomery	R-FSC2003/139	Continue, needs a new scientist – dependent on QLD continuation of involvement
Development of a DNA based aging technique for use in fisheries assessments	Montgomery	R-FSC2008/193	Scientist accepted redundancy (Montgomery), aquaria dependent, project not complete, report and outputs not finalised
Study of the faunal assemblage on collectors for lobster larvae	Montgomery	R-FSC2008/210	Scientist accepted redundancy (Montgomery). Project terminated
Determining the age of cephalopod species from waters off NSW	Montgomery	R-FSC2008/220	Scientist accepted redundancy (Montgomery). Project terminated
Wobbeong shark movement in a NSW MPA	Peddemors	R-FSC2008/208	Continue, PHD project
Shovelnose ray (Rhinobatidae) commercial fishery catch and biology	Peddemors	R-FSC2008/217	Continue, PHD project, depends on whether RAM sampling will continue
CritterCam deployment on sharks	Peddemors	R-FSC2010/258	Completed, awaiting final report, delayed
Mechanics of shark bite	Peddemors	R-FSC2010/264	Completed, awaiting final report, delayed
Development of methodology suitable for aerial shark surveys	Peddemors	R-FSC2010/265	Completed, awaiting final report, delayed
Biology and fishery of angel sharks and sawsharks in NSW	Peddemors	R-FSC2011/268	Continue, PHD project, depends on whether RAM sampling will continue
Data capture and analysis for the Protective Beach Meshing Program	Peddemors	R-FSR20001013	Continue, depends on shark landing site being identified and increased costs due to sampling landed sharks
Integrating fishery-dependent and -independent data for improved	Rotherham (Gray)	R-FSC2008/211	Scientist accepted redundancy (Rotherham), staff relocated separately. Project incomplete

sustainability of fisheries resources and other aspects of biodiversity			and on hold, reports and outputs delayed.
Solving bycatch and discard problems in NSW's recreational mud crab fishery	Rotherham	R-FSC2009/249	Scientist accepted redundancy (Rotherham). Final report not complete. Stage 2 terminated.
Resource assessment and monitoring of commercially harvested species	Rowling (Stewart)	R-FSC2003/123	Several key scientists accepted redundancy (Rowling, Montgomery, Rotherham, Macbeth), Technicians accepted redundancy (Barnes, Murray). Continued program greatly reduced, reduced staff resources, reduced outputs.
Movements and biology of coastal sharks in NSW	Smoothey / Peddemors / Gray	R-FSC2007/186	Continue. Technician re-assigned, reduced program, increased costs depending on location.
Development of cost-effective methods for monitoring and assessing spatial management options for recreational fisheries in NSW	Steffe	R-FSR2008/200	Scientist leaving, PHD projects; 1 project may continue, other tba
Assessment of barotrauma and its mitigation measures on the behaviour and survival of offshore species in NSW	Stewart	R-FSC2009/226	Final report in preparation
The life history characteristics and fishery of teraglin, <i>Atractoscion aequidens</i> . (Family Sciaenidae) off the coast of NSW	Stewart / Hegarty	R-FSC2010/263	Continue, MSC project, depends on whether RAM sampling will continue