

AQUACULTURE PROGRAM					
Funding Body	Research Team	Title of Project	Total Grant	2008 Allocation	Duration
ARC Linkage	S Battaglone B Nowak J Cobcroft	Reducing skeletal malformations in cultured marine fish using gene expression, improved nutrition and advanced system operation	\$445,000	\$135,000	3 years
ARC Linkage	A Ritar P Haddad G Dicinoski	Hatchery production of Rock Lobster seedstock for Aquaculture and enhancement with emphasis on ozonation of culture water to reduce disease	\$570,000	\$144,000	4 years
Seafood CRC	S Battaglone J Cobcroft	Yellowtail Kingfish juvenile quality: identify timing and nature of jaw deformities in Yellowtail Kingfish & scope the likely causes of this condition	\$97,157	\$55,928	2 years
Aquafin CRC	S Battaglone J Carson	Enhanced hatchery production of Striped Trumpeter, (<i>Latris Lineata</i>) in Tasmania using probiotics, combined with improved nutrition and early weaning strategies	\$1,215,433	\$243,086	4.5 years
FRDC	S Battaglone	Optimising size of fish and time of release of cultured Striped Trumpeter (<i>Latris lineata</i>) into sea cages in Tasmania	to be determined by FRDC		5 years
FRDC	C MacLeod	Review of the ecological impacts of antibiotics and antifoulants currently used in the Tasmanian salmonid farming industry and development of a research programme to evaluate the environmental impact of selected treatments	\$30,560	\$30,560	1 year
FRDC	A Ritar	Rock Lobster enhancement and aquaculture subprogram: commercially viable production of tropical rock lobster (<i>Panulirus ornatus</i>) puerulus from eggs	\$525,000	\$105,000	3 years
DAFF	S Battaglone B Nowak	Scoping Study into Adaptation of the Tasmanian Salmonid Aquaculture Industry to Potential Impacts of Climate Change	\$50,000	\$50,000	1 year
Seafood CRC	C Battaglone J Cobcroft	Advances in Marine Fish Hatchery Technology in Australia Workshop	\$5,000	\$5,000	1 year
MARINE ENVIRONMENT PROGRAM					
Funding Body	Research Team	Title of Project	Total Grant	2008 Allocation	Duration
ARC Linkage	D Ross M Keough B Eyre C Crawford	Anthropogenic influences on the source, transformation and fate of carbon and nitrogen in coastal waters: A Case Study of the Derwent Estuary	\$875,625	\$220,000	4 years
ARC linkage	G Edgar	Incorporation of Vulnerability and Irreplaceability into Marine Protected Area Planning	\$388,650	\$115,000	3 years
ARC Discovery	C Johnson L Blackall	Metagenomics and the genetic basis of ecology and evolution of communities	\$485,000	\$160,000	3 years
FRDC	C Macleod C Crawford	A Whole-of-ecosystem assessment of environmental issues for salmoid aquaculture	\$396,657	\$110,183	5 years
NHT North	C Johnson C Gardner S Frusher H Pederson M Haddon J Semmens	Rebuilding Ecosystem Resilience: Assessment of management options to minimise formation of 'Barrens' habitat by the long-spined sea urchin (<i>Centrostephanus rodgersii</i>) in Tasmania	\$20,000	\$20,000	1 year
NHT South	C Johnson C Gardner S Frusher H Pederson M Haddon J Semmens	Rebuilding Ecosystem Resilience: Assessment of management options to minimise formation of 'Barrens' habitat by the long-spined sea urchin (<i>Centrostephanus rodgersii</i>) in Tasmania	\$50,000	\$50,000	1 year

FRDC	C Johnson C Gardner S Frusher H Pederson M Haddon J Semmens	Rebuilding Ecosystem Resilience: Assessment of management options to minimise formation of 'Barrens' habitat by the long-spined sea urchin (<i>Centrostephanus rodgersii</i>) in Tasmania	\$400,000	\$100,000	4 years
CERF	C Buxton S Frusher R Watson	Ecosystem model analysis to address Fisheries Management issues in south eastern Australia and the implications of climate change	\$153,600	\$63,250	3 years
CERF	C Buxton N Bax R Coleman K Sainsbury	CERF Hub - Prediction and management of Australia's Marine Biodiversity	\$6,000,000	\$1,680,000	4.5 years
CERF	G Edgar	Volunteer Monitoring of the State of Australian Rocky Reef Communities	\$250,000	\$125,000	3 years
NHT	V Lucieer	Sea Map - Mapping the Gaps	\$469,000	\$108,000	2 year
NHT	C Crawford	Develop and implement a framework to measure change in marine, coastal and estuarine water quality	\$250,000	\$25,000	2.5 year
NHT	C Crawford	Protection of Water Quality and Ecosystems in Georges Bay	\$77,435	\$8,000	2 years
NHT	C Crawford	Develop water quality objectives and targets for estuaries and marine waters	\$100,000	\$100,000	1 year
AINSE	I Gibson D Ross C Crawford E Lefroy	Effects of Pre and post settlement on the health and stability of Little Swanport Estuary	\$6,744	\$6,744	1 year
DAFF	A Hirst	National Inventory and Synthesis of Current Estuarine, Coastal and Marine (ECM) Habitat Condition Monitoring and Assessment	\$20,000	\$20,000	1 year
Hermon Slade Foundation	K Swadling C McLeod	Life cycles and trophic interactions of Tasmanian Coastal Zooplankton	\$82,120	\$28,035	2.5 years
SUSTAINABLE FISHERIES PROGRAM					
Funding Body	Research Team	Title of Project	Total Grant	2008 Allocation	Duration
FRDC	P Ziegler	Developing a support tool for management decision in coastal multi species scalefish fisheries	\$369,594	\$146,745	3 years
FRDC	J Semmens	Establishing fine-scale industry based spatial management and harvest strategies for commercial scallop fisheries in Australia	to be determined by FRDC		3 years
FRDC	M Haddon	Identification and Evaluation of Biological Performance Indicators for Abalone Fisheries	to be determined by FRDC		3 years
FRDC	C Gardner S Jennings	Re-assessing Giant Crab (<i>Pseudocarcinus gigas</i>) Size Limits to Optimise Value and Sustainability of the Fishery	\$44,073	\$34,076	2 years
FRDC	S Frusher C Buxton N Barrett D Tarbath S Jarman J Semmens N Elliott	Towards Integrated Multi-Species Management of Australia's SE Reef Fisheries: A Tasmanian Example	\$589,164	\$58,916	3 years
FRDC	C Buxton N Barrett J Semmens	Spatial Management of Reef Fisheries and Ecosystems: Understanding the Importance of Movement	\$392,084	\$24,779	3 years
FRDC	C Mundy K Miller	Factors limiting resilience and recovery of fished abalone populations.	\$643,245	\$127,649	4 years

FRDC	C Mundy M Haddon V Lucieer	Using GPS technology to improve fishery dependant data collection in abalone fisheries.	\$450,862	\$98,910	3 years
FRDC	J Lyle F Neira	Evaluation of Egg Production as a Method of Estimating Spawning Biomass of Redbait off the East Coast of Tasmania	\$403,641	\$35,847	3 years
FRDC	C Gardner	Spatial management of southern Rock Lobster fisheries to improve yield, value and sustainability	\$1,026,996	\$185,208	4 years
FRDC	S Frusher J Ovenden J Russell B Paterson I Brown S Montgomery	Development of a DNA Based Aging Technique for Use in Fisheries Assessments	\$146,616	\$2,566	2 years
FRDC	J Lyle S Wotherspoon	Developing an Analytical Module for Large-scale Recreational Fishery Data Based on Phone/Diary Survey Methodology	\$22,101	\$22,101	1 year
CSIRO	M Haddon	Developing techniques to estimate annual allowable catches for the NPF major prawn species	\$20,000	\$5,000	3 year
DEST-FAST	S Frusher	Integrated simulation tools for the bio-economic assessment of renewable resource systems	\$15,900	\$4,400	2 year
DEWHA	N Barrett H Pederson V Lucieer G Edgar C Buxton	Quantitative biological baseline surveys of shelf rocky reef biota in commonwealth MPAs off Tasmania	\$40,000	\$40,000	1 year
AFMA	J Semmens J Harrington	Bass Strait Scallop Residue Risk Management Survey	\$5,454	\$5,454	1 year
Aust Pacific Science Foundation	F Neira A Smolenski J Lyle	Development of a genetic/morphological databank for the identification of wild eggs of Australian marine fishes	\$41,500	\$14,150	2 year
DPIW	J Semmens	Stock Structure and Dispersal of Octopus Maorum with Emphasis on the Eaglehawk Bay Aggregation	\$7,500	\$2,500	3 years
DPIW	J Semmens	Stock Structure and Dispersal of Two Commercial Octopus Species: A Comparison between Benthic and Planktonic Early Life Histories	\$2,400	\$800	2 year
WVS	G Pecl J Semmens N Moltschaniwskyj C Mundy J Semmens	Development of an innovative tagging technique to improve conservation and sustainability of marine invertebrate populations	\$66,400	\$66,400	1 year
NSW Department of Primary Industry	J Lyle F Neira	Provisional spawning biomass estimate for yellowtail scad (<i>Trachurus novaezelandiae</i>) off northern New South Wales	\$19,000	\$19,000	1 year
Winifred Violet Scott	R Williams R Cameron-Jones J Semmens J Harrington	Automated video analysis system for assessing marine animal populations in ocean environments	\$27,500	\$4,125	1 year
Winifred Violet Scott	J Sememns	Understanding the vulnerability of key inshore and estuarine fish species: New opportunities with electromyogram (EMG) telemetry	\$58,500	\$58,500	1 year
Australian Geographic Society	J Semmens S Frusher J Stevens A Barnett	The Role of Higher Tropic Level Predators on Inshore Ecosystems and their Interactions with Fisheries: A Case Study examining Sevengill Sharks (<i>Notorynchus cepedianus</i>)	\$2,000	\$2,000	1 year

Holsworth Wildlife Research Fund	S Frusher C Johnson S Jarman	Utilization of quantitative molecular prey detection techniques to better understand ecosystem resilience and the role of rock lobsters in shaping benthic community structure	\$9,850	\$2,500	2 years
Winifred Violet Scott	C Awruch S Jones J Stevens S Frusher	Developing non-destructive sampling methods for the conservation and management of chondrichthyans	\$40,700.00	\$40,700	1 year
FRDC	C Gardner D Mills	Understanding shelf-break habitat for sustainable management of fisheries with spatial overlap	\$515,245	\$103,048	3 years
NRM CC	J Semmens	Pilot Study into the Application of Stable Isotopes Analysis in Atlantic Salmon Dietary Investigations	\$15,000.00		1 year