



29 November 2019

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Fisheries Research and Development Corporation Submission to the Inquiry into finfish farming in Tasmania

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Terms of Reference

On 16 September 2019, Legislative Council Government Administration Committee resolved to commence an inquiry into finfish farming in Tasmania. Terms of Reference for the Inquiry are:

To inquire into and report upon the planning, assessment, operation and regulation of finfish farming in Tasmania, with particular reference to:

- 1) The implementation of the Sustainable Industry Growth Plan for the Salmon Industry and its impact on commercial finfish farming operations and local communities, including:
 - a. data collection and publication;
 - b. progress in the development of an industry wide biosecurity plan;
- 2) Application of the Marine Farming Planning Act 1995 relating to:
 - a. preparation and approval process for marine farming development plans, including modifications and amendments to marine farming development plans;
 - b. allocation of leases, applications for and granting of leases;
 - c. management of finfish farming operations with respect to the prevention of environmental harm;
- 3) Any other matter incidental thereto

Executive Summary

While the above Terms of Reference largely pertain to the management of finfish farming, where the FRDC does not have a direct role, the corporation does invest in research and development projects which provide a scientific basis for sustainable management of all fishing and aquaculture activities – including farming Atlantic Salmon.

The Fisheries Research and Development Corporation (FRDC) is a Federal Government Corporation. FRDC's role is to plan and invest in fisheries research, development and extension (RD&E) activities across Australia. This includes, providing leadership and coordination of the monitoring, evaluating and reporting on RD&E activities, facilitating dissemination, extension and commercialisation. The FRDC achieves this through coordinating government and industry investment, to address RD&E priorities of stakeholders. In addition the FRDC monitors and evaluates the adoption of RD&E to inform future decisions.

The FRDC has been investing in science to ensure the sustainable development of the salmonid aquaculture industry since its inception in 1991. Over this time the FRDC has invested in some 260 projects with an overall investment in excess of \$60m that have some benefit to Atlantic Salmon in Tasmania. Attachment 1 contains all of the projects with benefit to the salmonid aquaculture industry, but topics covered have spanned feed development, animal health aspects, vaccine development, management of key husbandry aspects (management of amoebic gill disease), capacity building and understanding environmental impacts and establishing monitoring programs to name a few.

Current investment focuses on:

- development of vaccines;
- broadscale understanding of the Storm Bay environment and development of fit-for purpose monitoring program to ensure sustainable development of this area beyond the currently approved biomass; and
- understanding the oxygen dynamics of Macquarie Harbour to inform future management of this area.

Fisheries Research and Development Corporation

The Fisheries Research and Development Corporation (FRDC) is a statutory corporation within the Australian Government's Agriculture portfolio and is accountable to the Parliament of Australia through the Minister for Agriculture. The portfolio aims to enhance the sustainability, profitability and competitiveness of Australia's agriculture, food, fisheries and forestry industries. Formed on 2 July 1991, the FRDC operates under two key pieces of legislation: (i) Primary Industries Research and Development Act 1989 (PIRD Act), and (ii) Public Governance, Performance and Accountability Act 2013.

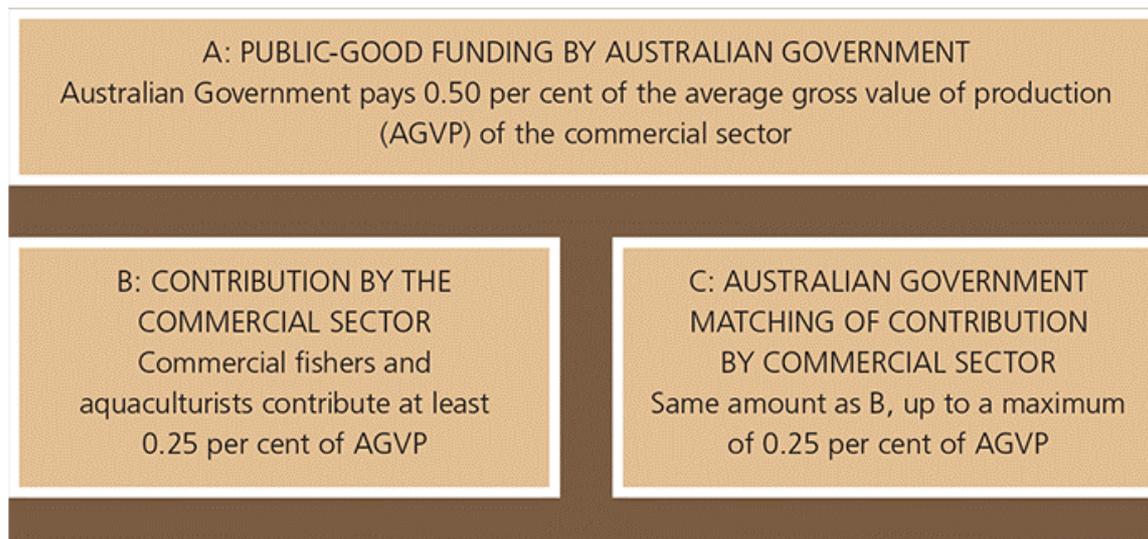
The FRDC's role is to plan and invest in fisheries research, development, and extension (RD&E) activities in Australia. The role of the FRDC – a cofounded partnership between the Australian Government and the fishing industry – is to plan and invest in fisheries research, development and extension activities in Australia. Investment into RD&E is undertaken to assist in the management of Australia's fisheries and aquaculture resource for ongoing sustainability, profitability, and productivity. This means that FRDC's funding is directed at research that has a benefit for the three sectors of the fishing industry: commercial (wild catch and aquaculture), recreational and indigenous, while also delivering a public good benefit to the Australian community.

Under the *Primary Industries Research and Development Act 1989* the FRDC is bound by the following:

- a) make provision for the funding and administration of research and development relating to primary industries with a view to:
 - (i) increasing the economic, environmental and social benefits to members of primary industries and to the community in general by improving the production, processing, storage, transport or marketing of the products of primary industries; and
 - (ii) achieving the sustainable use and sustainable management of natural resources; and
 - (iii) making more effective use of the resources and skills of the community in general and the scientific community in particular; and
 - (iv) supporting the development of scientific and technical capacity; and
 - (v) developing the adoptive capacity of primary producers; and
 - (vi) improving accountability for expenditure on research and development activities in relation to primary industries.

The FRDC translates these into five theme areas (environment, industry, community, people, adoption) for investment of research and each project is categorised by these five areas. The FRDC is required to balance its investment in these areas to avoid only investing in economic development at the detriment of the environment etc. The history of investment in Atlantic Salmon has balanced these areas well, with the highest investment in the environment program or in areas that seek to achieve sustainable use and management.

The FRDC receives funding from a variety of sources as shown in Figure 1. This includes the commercial fishing and aquaculture sectors via voluntary contributions (approximately 33%) which paid by the State and Territory Governments which is matched by the Australian Government. In addition, the FRDC receives funding for "public good" investment from the Australian Government. The investment looks to broader issues such as addressing environmental needs, industry development needs, community needs, development of people, and communicating our results to relevant stakeholders, including the community.

Figure 1: The core areas of FRDC funding

Currently the FRDC has under management around 400 active projects, of which about 75 are being done in Tasmania, with an investment of about \$27 million.

The FRDC does not work with one single research organisation or research provider. FRDC is continually seeking the most appropriately qualified scientists to work for us. This includes working with the leading research agencies such as the Commonwealth Scientific and Industrial Research Organisation and the University of Tasmania to undertake the research.

As a scientific organisation the FRDC is focused on delivering good science and is concerned when its integrity comes under fire for being biased or malleable to personal or commercial interests.

This is the situation in relation to the debate that has begun around aquaculture expansion in Tasmania.

Where credibility of the research funded and undertaken and is questioned, the FRDC will defend it, with the knowledge that it has checks and balances (governance) in place to ensure the investment is independent and addresses the priorities of the stakeholders. In addition, to deliver the highest quality of science, all research is peer-reviewed and made available freely on FRDC's website.

It is the FRDC's role to understand what the needs for research are, both from the industry and the community view point. The FRDC understand there are community concerns in relation to salmonid farming currently in certain areas. These areas are already being looked at, as part of research projects that aim to understand long-term effects of aquaculture expansion in Tasmania.

FRDC's investment in Atlantic Salmon aquaculture

The FRDC and Atlantic Salmon farming industry have been investing in research and development on Salmon farming since the early 90's. Over this period, the FRDC and Atlantic Salmon farming industry together with various other investments have invested in around \$46m worth of research across some 120 projects. Around 25 of these projects are currently active with researchers from 12 organisations.

In addition to this, the FRDC funds projects which have broader applicability and benefit than just to the salmonid aquaculture industry, some examples include people development or capacity building and investment in management of aquatic animal health. Since the early 90's there are around 250 projects which have developed knowledge for the benefit of the salmonid aquaculture industry.

These projects while also developing knowledge to benefit the salmonid aquaculture industry have also developed capacity in the research community, especially in Tasmania. Most of the research on salmonid aquaculture farming has been invested in research organisations within the state of Tasmania, (CSIRO and the University of Tasmania), and more recently the Tasmanian Department of Primary Industries, Parks, Water and the Environment (mainly in vaccine development and associated research).

Industry Partnership Agreement

The FRDC, when an industry sector becomes a certain size (or value), may enter into what is termed an Industry Partnership Agreement (IPA) with that sector. An IPA provides an industry sector the opportunity to have greater input in to the research program funded by the FRDC – using the contributions it provides plus the matching contribution from the Australian Government (parts B and C in Figure 1). Under FRDC legislation there is a requirement to return the money contributed by the sector (part B in Figure 1) to the sector on a rolling five year average, but no requirement to return the matching component. Thus, the IPA arrangement provides greater opportunity for the sector to invest in RD&E.

There are a range of conditions the sector must be able to display in order to be able to enter in to an IPA. These include:

- Proving an adequate governance structure which is representative of the various jurisdictions or companies involved, the relevant management agencies, the FRDC and have relevant scientific expertise;
- Develop an RD&E Plan or Strategy to guide investment;
- Be able to show a balance in the RD&E investment across projects with; industry benefit, public good outcomes, address people development and capacity building elements, invest in extension and adoption aspects or elements, invest in long term and short term projects and have levels of collaborative investment.

The FRDC has been in IPA's with the salmonid aquaculture industry since around 2007, in this time collectively there has been an investment of around \$25m across around 70 projects.

While under the IPA the Salmon companies, Tasmanian Salmon Growers Association and Tasmanian Government have greater input into the projects funded, the FRDC retains the ultimate decision making on what projects are funded or not. Additionally having an IPA does not preclude the standard process of peer review, including having reviews conducted on project applications as a component of the evaluation of whether to fund a project or not.

IPA Priorities

Strategic areas of RD&E and associated priorities for the Tasmanian Atlantic Salmon Farming industry can be categorised into the following:

- Sustainable expansion of the industry (this involves environmental monitoring and management:
 - research into technologies required to operate in more exposed and potential deeper areas, as well as associated on shore technology to support this as well;
 - government and community engagement;
 - Broadscale ecological information and monitoring.
- More efficient production:
 - Fish health and welfare – including vaccine developments undertaken at the Australian Aquatic Animal Health and Vaccine Centre at Mt Pleasant;
 - Predation and interactions with other wildlife;
 - Increased survival;
 - Increased growth rates;
 - Improved feeds (both for fish nutrition and sustainability implications);
 - Automation/skilled workforce;
 - People development;
 - Waste management.
- Sustained market access
 - Food safety;
 - Animal welfare;
 - Environmental standards;
 - Biosecurity;
 - Transport and logistics.
- Reputation
 - Environmental standards and management;
 - Community and government engagement;
 - Education and training (people development);
 - Pollution management

Refer to Attachment 1 for a list of all FRDC funded research and development projects that relate (or have a flow of benefits) to Australia's Atlantic Salmon.

h. Any other relevant matters

There is some angst within the Tasmanian community around Atlantic Salmon farming and its expansion, especially in the Storm Bay region. The FRDC together with the Tasmanian Government and Industry have recently invested in a significant program of research to deliver the science needs for assessment of sustainable Salmon farming in Storm Bay. This program has four projects with a total funding amount of around \$6.5 million. This also follows from an investment of some \$2.2 million to better understand the oxygen dynamics of Macquarie Harbour for future management of this system. These are expensive, well structured, world leading pieces of research which are delivering outputs able to be used in the management of Atlantic Salmon farming.

The FRDC is working differently on these projects in an effort to communicate results and outputs of science more readily to the public. This will likely integrate with work the Tasmanian Government is doing with the Institute for Marine and Antarctic Studies to develop a data portal which would house a range of data collected on Salmon farming. In the case of the Storm Bay program of projects there is a communications strategy being developed to work out the best way to communicate results publicly.

Concluding Comments

FRDC's overall mission is to provide quality science to inform decision making processes – whether these are management of the environment, management of a business or management of a recreation. Quality robust science is what FRDC endeavours to deliver, in a manner which is readily adoptable by a range of end-users.

Attachment 1 – FRDC Research Projects

Summary of FRDC Atlantic Salmon-related RD&E projects funded since 2000. For projects funded prior to 2000 refer to the [Tasmanian Salmonid Growers Association](#) page on the FRDC website.

FRDC No.	Project Title	Applicant organisation	Link to FRDC project page
2000-164	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: development of novel methods for the assessment of sediment condition and determination of management protocols for sustainable finfish cage aquaculture operations	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2000-164
2000-223	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: facilitation, administration and promotion	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2000-223
2000-224	Atlantic Salmon Aquaculture Subprogram: molecular genetic tools for the Tasmanian Atlantic salmon industry – development and application	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2000-224
2000-266	Atlantic Salmon Aquaculture Subprogram: effective treatments for the control of amoebic gill disease	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2000-266
2001-097	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: system-wide environmental issues for sustainable salmonid aquaculture	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2001-097
2001-205	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: treatment and pathophysiology of Amoebic Gill Disease	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2001-205
2001-244	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: host-pathogen interactions in Amoebic Gill Disease	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2001-244
2001-245	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: model development for epidemiology of Amoebic Gill Disease	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2001-245
2001-246	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: control of precocious sexual maturation in Atlantic salmon	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2001-246
2001-624	Aquatic Animal Health Subprogram: development of diagnostic procedures for the detection and identification of <i>Piscirickettsia salmonis</i>	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2001-624
2002-251	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram - development of a vaccine for amoebic gill disease: genomic and cDNA library screening for antigen discovery	CSIRO Australian Animal Health Laboratory	
2003-200	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: strategic planning, project management and adoption	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2003-200

FRDC No.	Project Title	Applicant organisation	Link to FRDC project page
2003-305	Identification of the role and long term support of a peak industry body for the Australian aquaculture industry, and its role to ensure the implementation of an industry driven National Aquaculture Action Agenda	National Aquaculture Council	https://www.frdc.com.au/project/2003-305
2003-600	Aquatic Animal Health Subprogram: development of strategies for improved stock loss insurance and for development of a cost-sharing arrangement for emergency disease management in aquaculture	Department of Agriculture	https://www.frdc.com.au/project/2003-600
2003-621	Aquatic Animal Health Subprogram: development of diagnostic and reference reagents for epizootic haematopoietic necrosis virus of finfish	University of Sydney (USYD)	https://www.frdc.com.au/project/2003-621
2003-640	Aquatic Animal Health Subprogram: subprogram conference 'Emergency Disease Response Planning and Management'	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2003-640
2003-647	Aquatic Animal Health Subprogram: development of a database for Australian laboratory diagnostic expertise for diseases of aquatic organisms	Department of Agriculture	https://www.frdc.com.au/project/2003-647
2003-648	Aquatic Animal Health Subprogram: the revision of the Tasmanian fish health plan and incorporation into the Tasmanian control centre manual	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	https://www.frdc.com.au/project/2003-648
2004-074	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: a whole-of-ecosystem assessment of environmental issues for salmonid aquaculture	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2004-074
2004-079	Aquatic Animal Health Subprogram: Strategic planning, project management and adoption	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2004-079
2004-096	The development and production of EMS template documents for the salmonid, oyster and abalone aquaculture sectors in Tasmania	Tasmanian Seafood Industry Council (TSIC)	https://www.frdc.com.au/project/2004-096
2004-101	ESD Reporting and Assessment Subprogram: review of the scope, assessment methods and management responses for fisheries ESD and EBFM in Australia	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2004-101
2004-201	Innovative Solutions For Aquaculture: planning and management - addressing seal interactions in the finfish aquaculture industry	SARDI Food Safety and Innovation	https://www.frdc.com.au/project/2004-201
2004-210	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: use of immunomodulation to improve fish performance in Australian temperate water finfish aquaculture	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2004-210
2004-213	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: commercial AGD and salmon health project	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2004-213

FRDC No.	Project Title	Applicant organisation	Link to FRDC project page
2004-214	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: effects of husbandry on AGD	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2004-214
2004-215	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: establishment of challenge for AGD	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2004-215
2004-217	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: development of an AGD vaccine: phase II	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2004-217
2004-217.20	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: development of an AGD vaccine: phase II	University of Technology Sydney (UTS)	
2004-218	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: molecular assessment of resistance to AGD in Atlantic salmon	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2004-218
2004-220	Aquafin CRC: feed technology for temperate fish species	NSW Department of Primary Industries	https://www.frdc.com.au/project/2004-220
2004-221	Aquafin CRC - Enhanced hatchery production of Striped Trumpeter, <i>Latris lineata</i> , in Tasmania through system design, microbial control and early weaning	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2004-221
2004-236	Aquaculture Nutrition Subprogram: evaluation of value-added grain protein products for Atlantic salmon and black tiger prawns	University of Western Australia (UWA)	https://www.frdc.com.au/project/2004-236
2004-237	Aquaculture Nutrition Subprogram: assessment of growth performance under limiting environmental conditions	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2004-237
2004-249	The retail sale and consumption of seafood in Melbourne	Ruello and Associates Pty Ltd	https://www.frdc.com.au/project/2004-249
2004-300	Advance-In-Seafood Leadership Program	Changing Communities Pty Ltd	https://www.frdc.com.au/project/2004-300
2004-401	Seafood CRC: A market access guide for seafood exporters: International Residues standards	SARDI Food Safety and Innovation	
2004-402	Attendance at Modified Atmosphere Packaging (MAP) workshop on behalf of Seafood Services Australia	Allan Bremner and Associates	https://www.frdc.com.au/project/2004-402
2004-410	Reducing plastics in the Australian seafood industry - Phase 1	OceanWatch Australia Ltd	https://www.frdc.com.au/project/2004-410
2004-413	Developing an Australian seafood strategy for export growth - stage 1	Seafood Services Australia Ltd	https://www.frdc.com.au/project/2004-413
2005-201	Aquafin CRC - Atlantic Salmon Aquaculture Subprogram: environmental control of growth and early maturation in salmonids	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2005-201
2005-233	Developing and implementing a business model for marketing and branding Australian seafood	National Aquaculture Council	

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FRDC No.	Project Title	Applicant organisation	Link to FRDC project page
2005-237	Review of Australian fisheries economic statistics	Perry Smith	https://www.frdc.com.au/project/2005-237
2005-238	ASIC/NAC environmental labelling	Corvon Pty Ltd	https://www.frdc.com.au/project/2005-238
2005-301	Australian Rural Leadership Program	Australian Rural Leadership Foundation (ARLF)	https://www.frdc.com.au/project/2005-301
2005-302	International Aquaculture Conference 2006	National Aquaculture Council	
2005-309	A Review of People Development in the Australian Fishing Industry	CIT Solutions	https://www.frdc.com.au/project/2005-309
2005-314	Sharing the Fish conference '06	Department of Primary Industries and Regional Development (DPIRD) WA	https://www.frdc.com.au/project/2005-314
2005-315	Data Management Strategy	HLA Envirosciences Pty Ltd	https://www.frdc.com.au/project/2005-315
2005-318	Rural women in leadership	Department of Agriculture	https://www.frdc.com.au/project/2005-318
2005-319	Sponsorship for the 11th international symposium on veterinary epidemeology and economics	Ozacom Conference Services	
2005-321	Ollies island - interactive edu-tainment program exploring sustainable production and consumption (pilot project)	Sustain Ability International Pty Ltd (SAI)	https://www.frdc.com.au/project/2005-321
2005-402	Effective sanitation for the fishing industry: using bacteriological assessment to optimise sanitiser type for processing equipment and finfish product	Western Australian Fishing Industry Council Inc (WAFIC)	https://www.frdc.com.au/project/2005-402
2005-403	Prevention and treatment of asthma using fish and shellfish products	University of Newcastle	https://www.frdc.com.au/project/2005-403
2005-407	Participation in study tour to attend Seafood & Health '05 Conference & Seafood HACCP Alliance for Education & Training	Seafood Services Australia Ltd	https://www.frdc.com.au/project/2005-407
2005-621	Aquatic Animal Health Subprogram: establishment of a national aquatic animal health diagnostic network	University of Sydney (USYD)	https://www.frdc.com.au/project/2005-621
2006-068	Fisheries co- management initiative	PJ Neville and Associates	https://www.frdc.com.au/project/2006-068
2006-071	Resource Allocation	Fisheries Research and Development Corporation (FRDC)	
2006-073	Social and Economic Working Group	Perry Smith	

FRDC No.	Project Title	Applicant organisation	Link to FRDC project page
2006-401	Seafood industry export information package - direct extension to overseas customers of Australian seafood	Western Australian Fishing Industry Council Inc (WAFIC)	https://www.frdc.com.au/project/2006-401
2007-007	Aquatic Animal Health Subprogram: Optimisation of PCR tests for diagnosis of megalocytivirus (gourami iridovirus) and cyprinid herpesvirus 2 (goldfish herpesvirus)	University of Sydney (USYD)	https://www.frdc.com.au/project/2007-007
2007-010	Integration of socio economic sustainability criteria into a reporting framework for the Australian aquaculture industry	National Aquaculture Council	https://www.frdc.com.au/project/2007-010
2007-060	Educating though Escape with ET	ET Productions Pty Ltd	https://www.frdc.com.au/project/2007-060
2007-068	National Climate Change Research Strategy for Primary Industries (CCRSPI)	Land and Water Australia	https://www.frdc.com.au/project/2007-068
2007-229	Aquafin CRC - Salmon Aquaculture Subprogram: Facilitation and administration	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2007-229
2007-230	Aquaculture Nutrition Subprogram: Technical review, project management and development services.	Barneveld Nutrition Pty Ltd	https://www.frdc.com.au/project/2007-230
2007-232	FRDC initiative - a national hatchery network	Fisheries Research and Development Corporation (FRDC)	
2007-235	Development and implementation of an industry Education and Market Awareness Program	Seafood Experience Australia Ltd (SEA)	https://www.frdc.com.au/project/2007-235
2007-246	Tactical Research Fund: A review of the ecological impacts of selected 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.	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2007-246
2007-304	Empowering stakeholders to initiate and advance R&D projects in the seafood industry	Fishwell Consulting Pty Ltd	https://www.frdc.com.au/project/2007-304
2007-319	Implementation of FRDC People development program	Fisheries Research and Development Corporation (FRDC)	https://www.frdc.com.au/project/2007-319
2008-039	Aquatic Animal Health Subprogram: Strategic planning, project management and adoption	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2008-039
2008-041	Aquatic Animal Health Subprogram: Tools for investigation of the nodavirus carrier state in marine, euryhaline and freshwater fish and control of NNV through integrated management	University of Sydney (USYD)	https://www.frdc.com.au/project/2008-041
2008-080	National Fisheries and Climate Change Research, Development and Extension Program	Fisheries Research and Development Corporation (FRDC)	

FRDC No.	Project Title	Applicant organisation	Link to FRDC project page
2008-094	Primary Industries Standing Committee (PISC) and Research and Development Corporations National RD&E Framework	Fisheries Research and Development Corporation (FRDC)	https://www.frdc.com.au/project/2008-094
2008-217	Atlantic Salmon Sub Program: Effect of temperature on reproductive development of maiden and repeat spawning Atlantic salmon: understanding the basis for improved egg survival and quality	Griffith University Nathan Campus	https://www.frdc.com.au/project/2008-217
2008-218	Atlantic Salmon Aquaculture Subprogram: extension funding application- AGD Vaccine phase III	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2008-218
2008-221	Atlantic Salmon Aquaculture Subprogram: whole genome selection to improve selection efficiency for AGD resistance	CSIRO Australian Animal Health Laboratory	
2008-222	Atlantic Salmon Aquaculture Subprogram: Rickettsia-like organism vaccine development for the salmonid aquaculture industry	University of Tasmania (UTAS)	
2008-226	Tactical Response Fund: Salmon Aquaculture Subprogram: ecological effects due to contamination of sediments with copper-based antifoulants	Tasmanian Salmon Growers Association Ltd (TSGA)	
2008-231	An independent review of data provided to consumers by organisations on the sustainability of world fisheries	Seafish	https://www.frdc.com.au/project/2008-231
2008-306	Building economic capability to improve the management of marine resources in Australia	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2008-306
2008-309	National seafood industry advanced leadership program	Affectus Pty Ltd	https://www.frdc.com.au/project/2008-309
2008-309.20	National seafood industry advanced leadership program - participant sponsorship	Fisheries Research and Development Corporation (FRDC)	https://www.frdc.com.au/project/2008-309.20
2008-313	Collaborative partnership for farming and fishing health and safety	AgriFutures Australia	https://www.frdc.com.au/project/2008-313
2008-341	People Development Program: Workforce and Skills Summit	Fisheries Research and Development Corporation (FRDC)	https://www.frdc.com.au/project/2008-341
2008-342	Sponsorship of Agri-Food Industry Skills Council conference 2008	Food and Agribusiness Solutions (FAS)	https://www.frdc.com.au/project/2008-342
2008-357	Tactical Research Fund: Aquatic Animal Health Subprogram: establishment of the Aquatic Animal Health Technical Forum	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2008-357
2008-750	Seafood CRC: Amoebic Gill Disease vaccine phase III; Sea-based trials, vaccine refinement and commercialisation	CSIRO Oceans and Atmosphere Hobart	
2008-772	Seafood CRC: Education and training exchange program with NOFIMA, a world leading aquaculture research institute	Flinders Partners Pty Ltd	https://www.frdc.com.au/project/2008-772
2008-799	Seafood CRC: diagnostic capability map	Ridge Partners	

FRDC No.	Project Title	Applicant organisation	Link to FRDC project page
2009-041	Fisheries Social Sciences Research Coordination Program	KAL Analysis Pty Ltd	https://www.frdc.com.au/project/2009-041
2009-044	Aquatic Animal Health Subprogram: surveys of ornamental fish for pathogens of quarantine significance	University of Sydney (USYD)	https://www.frdc.com.au/project/2009-044
2009-055	El-Nemo SE: adaptation of fishing and aquaculture sectors and fisheries management to climate change in South Eastern Australia Work Area 4, Project 1 Development and testing of a national integrated climate change adaptation assessment framework	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2009-055
2009-056	El-Nemo SE: understanding the biophysical implications of climate change -project 1 & 2	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2009-056
2009-067	Tactical Research Fund: Nutrient and phytoplankton data from Storm Bay to support sustainable resource planning	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2009-067
2009-070	El-Nemo SE: risk assessment of impacts of climate change for key species in South Eastern Australia	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2009-070
2009-072	Aquatic Animal Health Subprogram: risk analysis - aquatic animal diseases associated with domestic bait translocation	DigsFish Services Pty Ltd	https://www.frdc.com.au/project/2009-072
2009-085	Atlantic Salmon Aquaculture Subprogram: Mitigation of climate change effects on salmon broodstock: effects of estrogen therapy	Griffith University Nathan Campus	https://www.frdc.com.au/project/2009-085
2009-217	Capability audit and assessment for fisheries and aquaculture RD&E framework	RDS Partners Pty Ltd	https://www.frdc.com.au/project/2009-217
2009-218	Atlantic Salmon Aquaculture Subprogram: ecological effects due to contamination of sediments with copper-based antifoulants - phase 2	Tasmanian Salmon Growers Association Ltd (TSGA)	https://www.frdc.com.au/project/2009-218
2009-302	Linking careers, research and training - a pilot for the seafood industry	Samara Miller	https://www.frdc.com.au/project/2009-302
2009-303	Australasian Aquaculture 2010 to 2014	National Aquaculture Council	https://www.frdc.com.au/project/2009-303
2009-303.20	People Development Program: Australasian Aquaculture 2010 to 2014 (Bursary Sponsorships)	Fisheries Research and Development Corporation (FRDC)	
2009-310	National Seafood Industry Leadership Program: 2009-2011	Affectus Pty Ltd	https://www.frdc.com.au/project/2009-310
2009-310.20	People development program: Sponsorship and support of National Seafood Industry Leadership Program 2009-2011	Fisheries Research and Development Corporation (FRDC)	https://www.frdc.com.au/project/2009-310.20
2009-311	The three M's project - mentors, mentorees and mentoring seafood project	Affectus Pty Ltd	https://www.frdc.com.au/project/2009-311

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2009-316	Appetite for Excellence	Young Chef of the Year Pty Ltd	https://www.frdc.com.au/project/2009-316
2009-317	Tactical Research Fund: research audit of social sciences fisheries research	Flinders Partners Pty Ltd	https://www.frdc.com.au/project/2009-317
2009-327	Tactical Research Fund: Working on Water - a careers promotion program for marine-based sectors	Marine Solutions Tasmania Pty Ltd	https://www.frdc.com.au/project/2009-327
2009-328	Tactical Research Fund: Seafood Industry Partnerships in Schools - Program Pilot, Tasmania	OceanWatch Australia Ltd	https://www.frdc.com.au/project/2009-328
2010-032	Tasmanian Aquabirnavirus vaccine development: Towards achieving pan-specific protection of cultured salmonids in Australia using multivalent vaccines	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	
2010-033	Atlantic Salmon Aquaculture Subprogram: characterisation of EST03G12 and elucidation of its role in Amoebic Gill Disease (AGD) severity	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2010-033
2010-051	PIRSA Innovative Solutions 3: biosecurity risk assessment and development of standardised mitigation for tuna and finfish aquaculture	Department of Primary Industries and Regions South Australia (PIRSA)	
2010-063	Atlantic Salmon Aquaculture Subprogram: evaluation of approaches to improve sediment remediation (rate & function) under salmonid fish cages	University of Tasmania (UTAS)	
2010-201	Feasibility study for integrated multitrophic aquaculture in southern Australia	SARDI Food Safety and Innovation	https://www.frdc.com.au/project/2010-201
2010-203	Atlantic Salmon Aquaculture Subprogram: oxygen regulation in Tasmanian Atlantic salmon	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2010-203
2010-208	Australian Fisheries Statistics (2009 – 2013)	Department of Agriculture	https://www.frdc.com.au/project/2010-208
2010-215	Contribution towards the establishment of Seaweeds Australia	AgriFutures Australia	https://www.frdc.com.au/project/2010-215
2010-217	Atlantic Salmon Aquaculture Subprogram: Forecasting ocean temperatures for salmon at the farm site	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2010-217
2010-218	Atlantic Salmon Aquaculture Subprogram: Hydrogen peroxide treatment of Atlantic salmon affected by AGD	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2010-218
2010-219	Tactical Research Fund: Establishing regional indicators of social sustainability in the Tasmanian aquaculture industry - a pilot study	RDS Partners Pty Ltd	https://www.frdc.com.au/project/2010-219
2010-222	Tactical Research Fund: A study of the composition, value and utilisation of imported seafood in Australia	The Samin Group Pty Ltd	https://www.frdc.com.au/project/2010-222

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2010-305	Extension of OH&S and Quality Index project outputs to seafood industry across Australia	OceanWatch Australia Ltd	https://www.frdc.com.au/project/2010-305
2010-313	Omega 3 Centre Membership	Omega-3 Centre Inc	https://www.frdc.com.au/project/2010-313
2010-315	The International Seafood and Health Conference and Exhibition	Conference Plus Australia Pty Ltd	https://www.frdc.com.au/project/2010-315
2010-316	Australian Society for Fish Biology: promoting scientific exchange and supporting early career researchers	Australian Society For Fish Biology Inc	https://www.frdc.com.au/project/2010-316
2010-403	People development program: Linking Australian schools with Australia's primary industries	Primary Industries Education Foundation Australia (PIEFA)	https://www.frdc.com.au/project/2010-403
2010-533	FRDC-DCCEE: human adaptation options to increase resilience of conservation-dependent seabirds and marine mammals impacted by climate change	CSIRO Land and Water Canberra	https://www.frdc.com.au/project/2010-533
2010-780	Seafood CRC: PhD: Molecular and quantitative genetics studies to improve breeding programs for key Australian aquaculture species	University of the Sunshine Coast (USC)	https://www.frdc.com.au/project/2010-780
2011-041	Atlantic Salmon Aquaculture Subprogram: assessment of the environmental impacts & sediment remediation potential associated with copper contamination from antifouling paint and associated recommendations for management	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2011-041
2011-042	TSGA IPA: clarifying the relationship between salmon farm nutrient loads and changes in macroalgal community structure/ distribution (Existing Student Support)	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2011-042
2011-050	Climate Change Research Strategy for Primary Industries (CCRSPI)	AgriFutures Australia	https://www.frdc.com.au/project/2011-050
2011-069	Atlantic Salmon Aquaculture Subprogram: The effects of AGD on gill function - use of a perfused gill model	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2011-069
2011-070	TSGA IPA: Comparative susceptibility and host responses of endemic fishes and salmonids affected by amoebic gill disease in Tasmania	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2011-070
2011-071	Atlantic Salmon Aquaculture Subprogram: AGD resistance - learning from other species to bolster the natural Atlantic salmon response	CSIRO Oceans and Atmosphere Hobart	
2011-084	Comparative sequestration and mitigation opportunities across the Australian landscape and its primary industries	TierraMar Consulting	https://www.frdc.com.au/project/2011-084
2011-086	Atlantic Salmon Aquaculture Subprogram: macroalgal monitoring in Macquarie Harbour, Tasmania	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2011-086

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2011-215	Resource access and resource allocation - guidelines	PJ Neville and Associates	https://www.frdc.com.au/project/2011-215
2011-216	Co management review	PJ Neville and Associates	https://www.frdc.com.au/project/2011-216
2011-223	Development of an RLO vaccine: Proof-of-Concept to commercial application	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	
2011-224	Aquareovirus (TSRV) vaccine development for the Tasmanian salmonid aquaculture industry	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	
2011-246	Opportunities and constraints on Australian wild fishing and aquaculture under a carbon economy	Australian Farm Institute (AFI)	https://www.frdc.com.au/project/2011-246
2011-259	Tactical Research Fund: Conduct of a Seafood Incident Response Plan (SIRP) trial for the aquaculture industry in Melbourne as a prelude to the Skretting Australasian Aquaculture Conference (AA12)	Seafood Services Australia Ltd	https://www.frdc.com.au/project/2011-259
2011-400	Empowering Industry: Improving two-way membership communication in peak industry bodies of the fishing and seafood industry	Affectus Pty Ltd	https://www.frdc.com.au/project/2011-400
2011-401	Marine Discovery Centres Australia annual network meeting	Marine Discovery Centre Maclean	https://www.frdc.com.au/project/2011-401
2011-409	People development program: strategic media training for the Australian seafood industry	Fuller and Associates Pty Ltd	https://www.frdc.com.au/project/2011-409
2011-505	Understanding Extension & Adoption in the fishing industry	Rufus Jennings Pty Ltd	https://www.frdc.com.au/project/2011-505
2011-506	Development of a strategy for an integrated customer database	Making Data Easy Pty Ltd	
2011-506.20	Database strategy: a blueprint for phase 1 Customer Relationship Management	Making Data Easy Pty Ltd	
2011-520	Sustainability of the Australian aquaculture industry	Peter Montague	https://www.frdc.com.au/project/2011-520
2011-522	Report card of marine climate change for Australia	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2011-522
2011-523	National Marine Science Committee - formerly OPSAG	Australian Institute Of Marine Science (AIMS)	https://www.frdc.com.au/project/2011-523

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2011-524	Transforming science outputs for communication to the general public and seafood consumers	Fisheries Research and Development Corporation (FRDC)	
2011-525	A bibliography of FRDC and CRC aquaculture environmental research reports and related publications	RDS Partners Pty Ltd	https://www.frdc.com.au/project/2011-525
2011-735	Seafood CRC: an evaluation of the options for expansion of salmonid aquaculture in Tasmanian waters	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2011-735
2011-771	Seafood CRC: genetic selection for Amoebic Gill Disease (AGD) resilience in the Tasmanian Atlantic salmon (<i>Salmo salar</i>) breeding program	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2011-771
2012-001	Aquatic animal health subprogram: Strategic planning, project management and adoption	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2012-001
2012-002	Aquatic Animal Health Technical Forum	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2012-002
2012-024	INFORMD Stage 2: Risk-based tools supporting consultation, planning and adaptive management for aquaculture and other multiple-uses of the coastal waters of southern Tasmania	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2012-024
2012-047	Atlantic Salmon Aquaculture Subprogram: characterising benthic pelagic interactions in Macquarie Harbour - organic matter processing in sediments and the importance for nutrient dynamics	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2012-047
2012-048	Atlantic Salmon Aquaculture Subprogram: Culture and cryopreservation of <i>Neoparamoeba perurans</i> (AGD)	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2012-048
2012-053	Atlantic Salmon Aquaculture Subprogram: assessment of Orthomyxo-like virus pathogenicity in Atlantic salmon	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	
2012-207	Adding value to seafood processing waste through the recovery of bioactive molecules	CSIRO Australian Animal Health Laboratory	
2012-228	Atlantic Salmon Aquaculture Subprogram: UTAS Experimental Aquaculture Facility: Obtaining expert international governance, design and operational advice for the Atlantic salmon partners.	RDS Partners Pty Ltd	https://www.frdc.com.au/project/2012-228
2012-300	Social Science Research Coordination Program (SSRCP) II	KAL Analysis Pty Ltd	https://www.frdc.com.au/project/2012-300
2012-302	Seafood Industry Partnerships in Schools - Phase 2 Program	OceanWatch Australia Ltd	https://www.frdc.com.au/project/2012-302
2012-400	Australian Rural Leadership Program (courses 20-23)	Australian Rural Leadership Foundation (ARLF)	https://www.frdc.com.au/project/2012-400

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2012-401	National Seafood Industry Leadership Program: 2012-2014	Affectus Pty Ltd	https://www.frdc.com.au/project/2012-401
2012-500.20	To establish a forum (Common Language Group) for working with all stakeholders to reach agreement on issues which are contentious in the fishing and aquaculture sectors	Food Focus Australia Pty Ltd	https://www.frdc.com.au/project/2012-500.20
2013-004	Aquatic Animal Health Subprogram: the Neptune Project- a comprehensive database of Australian aquatic animal pathogens and diseases	Queensland Museum	https://www.frdc.com.au/project/2013-004
2013-008	Movement, habitat utilisation and population status of the endangered Maugean skate and implications for fishing and aquaculture operations in Macquarie Harbour	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2013-008
2013-049	DAFF Aquatic Animal Welfare Working Group - Communications Coordinator	Bresal Consulting	https://www.frdc.com.au/project/2013-049
2013-241	RD&E strategy workshop for Tasmanian Salmonid Growers Association Industry Partnership Agreement	AgInsights Pty Ltd	https://www.frdc.com.au/project/2013-241
2013-404	Australian Society for Fish Biology: Promoting scientific exchange and supporting early career researchers	Australian Society For Fish Biology Inc	https://www.frdc.com.au/project/2013-404
2013-502	Appetite for Excellence 2013	Young Chef of the Year Pty Ltd	https://www.frdc.com.au/project/2013-502
2014-002	Aquatic Animal Health Subprogram: Development of stable positive control material and development of internal controls for molecular tests for detection of important endemic and exotic pathogens	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2014-002
2014-012	Tasmania's coastal reefs: deep reef habitats and significance for finfish production and biodiversity	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2014-012
2014-031	TSGA IPA: Predicting marine currents, nutrients and plankton in the coastal waters of south eastern Tasmania in response to changing weather patterns	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2014-031
2014-037	TSGA IPA: DPIPWE Fish Health Unit- Centre for Excellence Standard Operational Procedure development	Tasmanian Salmon Growers Association Ltd (TSGA)	
2014-038	TSGA IPA: Understanding Dorvilleid ecology in Macquarie Harbour and their response to organic enrichment	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2014-038
2014-042	TSGA IPA: understanding broadscale impacts of salmonid farming on rocky reef communities.	Aquenal Pty Ltd	https://www.frdc.com.au/project/2014-042
2014-235	Evaluating the Performance of Australian Fisheries	Ridge Partners	https://www.frdc.com.au/project/2014-235

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2014-241	Reassessment of intertidal macroalgal communities near to and distant from salmon farms and an evaluation of using drones to survey macroalgal distribution	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2014-241
2014-712	Seafood CRC: disease challenge testing at the Centre of Excellence- Scope for estimating the genetics of resistance	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	
2015-024	Managing ecosystem interactions across differing environments: building flexibility and risk assurance into environmental management strategies	Institute for Marine and Antarctic Studies (IMAS) Taroona	https://www.frdc.com.au/project/2015-033
2015-033	Revision of the AQUAVETPLAN for Infectious Salmon Anaemia (ISA) virus	AusVet Animal Health Services Pty Ltd	https://www.frdc.com.au/project/2016-023
2016-023	Sentinel sensors: revolutionising our understanding and management of the estuarine environment	CSIRO Oceans and Atmosphere Hobart	
2016-045	Development of Pilchard orthomyxo virus vaccine for salmonids	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	
2016-054	Pilchard orthomyxovirus fast-track proof-of-concept vaccine	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	https://www.frdc.com.au/project/2016-062
2016-062	Coordination of the National Priority 1 Subprogram: to ensure that Australian fishing and aquaculture products are sustainable and acknowledged to be so	Oceanomics Pty Ltd	https://www.frdc.com.au/project/2016-067
2016-067	Understanding oxygen dynamics and the importance for benthic recovery in Macquarie Harbour	Institute for Marine and Antarctic Studies (IMAS) Taroona	https://www.frdc.com.au/project/2016-068
2016-068	Vulnerability of the endangered Maugean Skate population to degraded environmental conditions in Macquarie Harbour	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2016-404
2016-404	Aquatic Animal Health and Biosecurity Subprogram: Strategic planning, project management and adoption	CSIRO Australian Animal Health Laboratory	
2017-106	Communicating the research, management and performance of Tasmanian marine resource industries by video	Institute for Marine and Antarctic Studies (IMAS) Taroona	
2017-128	Development of a vaccine for cutaneous erosion disease of farmed Atlantic salmon	Department of Primary Industries Parks Water and Environment (DPIPWE) Hobart	https://www.frdc.com.au/project/2017-145
2017-145	Pilot - Development of Seafood Nutritional Panels	Department of Agriculture and Fisheries EcoScience Precinct	https://www.frdc.com.au/project/2017-146

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2017-146	Building an evidence base: The point of order experience for seafood consumers	Intuitive Solutions	https://www.frdc.com.au/project/2017-149
2017-149	Planning for a Blue Future Salmon - informing R&D, regulation and industry development	University of Tasmania (UTAS)	https://www.frdc.com.au/project/2017-158
2017-158	Determinates of socially-supported wild-catch and aquaculture fisheries in Australia	University of Tasmania (UTAS)	
2017-172	Identification and Analysis of Non-Tariff Measures and Quantification of their Impact on Australian Finfish Exports	Jim Fitzgerald and Associates	https://www.frdc.com.au/project/2017-182
2017-182	Exploring the occurrence and potential associated risk factors for Pilchard Orthomyxovirus (POMV) in Tasmanian farmed Atlantic Salmon	University of Adelaide	
2017-186	Oil and Gas: National coordination - seismic and other issues	Western Australian Fishing Industry Council Inc (WAFIC)	
2017-210	National fisheries and aquaculture industry social and economic contributions study: Phase 1	Institute for Marine and Antarctic Studies (IMAS) Taroona	
2017-211	Domestic and international trade data management	Safe Sustainable Seafood Pty Ltd	https://www.frdc.com.au/project/2017-215
2017-215	Storm Bay Biogeochemical Modelling & Information System: Supporting sustainable aquaculture expansion in Tasmania	CSIRO Oceans and Atmosphere Hobart	
2017-219	FISH 2.0 Establishing a network of investors to help drive growth in Australian fishing and aquaculture businesses	Manta Consulting Inc - Fish 2 0	https://www.frdc.com.au/project/2017-221
2017-221	Raise awareness of the guidelines developed by the AAWWG (Aquatic Animal Welfare Working Group) with industry and review their adoption, uptake rates and utility	Safe Sustainable Seafood Pty Ltd	https://www.frdc.com.au/project/2017-228
2017-228	National aquatic animal health strategic planning	Maddocks	https://www.frdc.com.au/project/2017-242
2017-242	Our pledge: Australian seafood industry response to community values and expectations	Seafood Industry Australia (SIA)	
2017-243	Program management - Atlantic Salmon aquaculture expansion modelling and monitoring program (Storm Bay)	Rockpool Land and Water Services Pty Ltd	
2017-246	WINSC 2018 Annual Conference Sponsorship	Women in Seafood Australasia (WISA)	
2017-249	Precision to Decision Agriculture (FRDC contribution - RRD4P 2016)	Western Australian Fishing Industry Council Inc (WAFIC)	https://www.frdc.com.au/project/2017-250
2018-004	SafeFish 2018- 2021	SARDI Food Safety and Innovation	https://www.frdc.com.au/project/2018-006

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2018-006	FRDC Resource: Development and ongoing maintenance of Australian Fish Names Standard 2019-2020	Alan Snow Consulting	https://www.frdc.com.au/project/2018-020
2018-059	World Fisheries Congress 2020 - Sharing our Oceans and Rivers: a 2020 vision for the world's fisheries	CSIRO Oceans and Atmosphere Hobart	
2018-060	Blue carbon and the Australian seafood industry: workshop	CSIRO Oceans and Atmosphere Hobart	https://www.frdc.com.au/project/2018-068
2018-068	Non-market values to inform decision-making and reporting in fisheries and aquaculture – an audit and gap analysis	Queensland University of Technology (QUT)	https://www.frdc.com.au/project/2018-092
2018-092	FRDC communication of evidence-based information on the healthfulness and sustainability of seafood to Health Professionals	Professional Nutrition Services	
2018-097	Survey of Enterprise-level Biosecurity across the Australian Aquaculture Industry	Instinct and Reason	https://www.frdc.com.au/project/2018-103
2018-103	Storm Bay research program management, governance and extension	Mi-Fish Consulting Pty Ltd	
2018-104	Next generation decision support tools to support sustainable aquaculture in Storm Bay	Diversity Sustainable Development Consultants Pty Ltd	https://www.frdc.com.au/project/2018-106
2018-116	Development of sector-specific Biosecurity Blueprint for the Tasmanian farmed salmonid industry	Tasmanian Salmon Growers Association Ltd (TSGA)	
2018-131	Storm Bay Observing System: Assessing the Performance of Aquaculture Development	Institute for Marine and Antarctic Studies (IMAS) Taroona	https://www.frdc.com.au/project/2018-134
2018-134	Australian Fisheries and Aquaculture Statistics 2017	Department of Agriculture	https://www.frdc.com.au/project/2018-144
2018-144	Aquatic Animal Health Technical Forum and Training workshops	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2018-145
2018-145	Cumulative Impact Risk Assessment Tool for Aquaculture in Australia	Nautilus Collaboration Pty Ltd	https://www.frdc.com.au/project/2018-147
2018-147	Diagnostic detection of aquatic pathogens using real-time next generation sequencing	CSIRO Australian Animal Health Laboratory	https://www.frdc.com.au/project/2018-149
2018-149	2019 review of the FRDC investment in People Development	Anwen Lovett Consulting	
2018-167	Seafood Industry Engagement and input into the development of the Australia-European Union Free Trade Agreement	Tasmanian Salmon Growers Association Ltd (TSGA)	https://www.frdc.com.au/project/2018-217
2018-217	Understanding and mapping the Tasmanian public perception to Atlantic Salmon farming	Tasmanian Salmon Growers Association Ltd (TSGA)	https://www.frdc.com.au/project/2019-077
2019-077	Tasmanian Atlantic Salmon Research, Development and Extension Management	Tasmanian Salmon Growers Association Ltd (TSGA)	