

21. Fisheries trust fund report (cont'd)

Charter Fishing Trust Fund

In 2007-08 the Charter Fishing Trust Fund continued funding of the following projects:

	Total Available 2007-08 \$'000	Actual Expenses 2007-08 \$'000	Carry Forward \$'000
Charter fishing consultation	85	129	96
Charter fishing monitoring	59	47	32
Total	114	176	128

Fish Conservation Trust Fund

In 2007-08 the Fish Conservation Trust contributed to fisheries conservation projects within the department. Approval to expend \$100 000 from the trust was provided.

Recreational Fishing (Saltwater) Trust Fund expenditure

Project	Total Available 2007-08* \$'000	Actual Expenses 2007-08 \$'000	Carry Forward \$'000
ACoRF meeting expenses	16	14	1
Artificial reefs deployment	190	208	-18
Artificial reefs monitoring and research	150	143	7
Biology of Australian salmon	122	122	0
Biology of NSW estuary perch	107	14	93
Coastal habitat restoration grants program	71	33	38
Coffs Harbour fish cleaning facilities	6	0	6
Defining a quality recreational fishing experience	5	5	0
Eastern king prawn stocking in NSW estuaries	163	163	0
Expenditure committee meeting expenses	28	27	1
Experimental breeding of black bream	25	18	8
Fish aggregation devices (FADs)	159	161	-2
Fishcare volunteer program	618	622	-5
Fisheries officers (9 coastal officers)	1 053	1 053	0
Fisheries officers (mobile squad)	405	380	25
Fishing platforms, Shoalhaven	130	130	0
Gamefish tagging program	143	118	25
Get Hooked: It's Fun to Fish education program	188	212	-24
Greater Sydney region recreational fishing survey	750	569	181
Historic insights into recreational fishing program	5	5	0
Life history research of black bream and luderick	40	34	6
Marine recreational management project	122	73	49
Marine stocking environmental impact statement	182	6	176
Maximising survival of line caught fish research	213	215	-2
Membership to Recfish Australia	30	23	7
Mulloway stocking in NSW estuaries	233	233	0
Nelson Bay disability access platform	7	0	7
Offshore artificial reef deployment	275	163	112
Recreational fishing access (coastal)	61	8	52
Recreational fishing governance	75	0	75
Recreational fishing havens process	2 000	2 000	0
Recreational fishing line bin project	6	6	0
Recreational fishing in Shoalhaven River	79	55	24

21. Fisheries trust fund report (cont'd)

Recreational fishing trust executive officer	148	143	5
Recreational publications	215	188	27
Recreational research project	122	81	41
Research on striped marlin	5	3	1
Richmond River rescue	30	0	30
Satellite tagging of tiger sharks	7	0	7
Small grants program	100	78	22
Study on landed fish at gamefishing tournaments	30	24	6
Swansea radio tower	35	0	35
Wave behaviour research	39	27	12
Young Leaders Program	24	19	5
Total	8 412	7 376	1 033

*The total available 2007-08 consists of allocations from the trust fund in 2007-08 and amounts carried forward from 2006-07.

ACoRF meeting expenses – the Advisory Council on Recreational Fishing (ACoRF) provides high quality advice to the Minister for Primary Industries on issues relating to recreational fishing.

Artificial reefs deployment – deployment of artificial reefs in barren areas in estuaries to enhance angler catch.

Artificial reefs monitoring and research – investigation of the effectiveness of artificial reefs in estuaries with regard to changes in fish populations.

Biology of Australian salmon – study of the biology, diet and population structure of Australian salmon along the NSW coast.

Biology of NSW estuary perch – study of the biology and demographic characteristics of the estuary perch fishery.

Coastal habitat restoration grants program – matching funds for angling clubs, local councils and other groups for on-grounds habitat rehabilitation projects to enhance native fish stocks.

Coffs Harbour fish cleaning facilities – installation of quality facilities for anglers.

Defining a quality recreational fishing experience - modelling the concept of a quality recreational fishing experience.

Eastern king prawn stocking in NSW estuaries – investigation of the effectiveness of stocking to enhance recreational fishing.

Expenditure committee meeting expenses – the Recreational Fishing Saltwater Trust Expenditure Committee (RFSTEC) provides advice on expenditure to ACoRF and monitors the progress of projects supported by the Trust.

Experimental breeding of black bream – study to develop breeding technology for black, yellowfin and hybrid bream.

Fish aggregating devices (FADs) – these are placed in coastal waters to attract pelagic fish such as mahi-mahi, tunas and marlin for recreational angling.

Fishcare volunteer program – a dynamic volunteer program providing face to face education of recreational fishers, including promoting awareness of fishing rules and sustainable fishing.

Fisheries officers (9 coastal officers) – to maximise compliance with fishing rules and provide advisory services to recreational fishers.

Fisheries officers (mobile squad) – a mobile support group of three officers with rapid response capacity to promote compliance with fishing regulations.

Fishing platforms, Shoalhaven – Nowra, Greenwell Point, Terrara Levee, Lake Conjola, Tabourie Lake.

Gamefish tagging program – provides valuable scientific information on the movement and growth of billfish, tuna, sharks and sportfish.

Get Hooked: It's Fun to Fish education program – a primary school education program teaching children the importance of aquatic habitats and to introduce them to safe and responsible fishing.

Greater Sydney recreational fishing survey – collection of catch and effort information for the management of recreational fishing.

Historic insights into recreational fishing program – compilation of historic accounts of observations and records of fisheries in NSW.

Life history research of black bream and luderick – essential research on the biology and life history of black bream and luderick, two key recreational species.

Marine recreational management project – development of new recreational fisheries initiatives and advisory tools.

Marine stocking environmental impact statement – investigating environmental impacts of a marine stocking program.

Maximising survival of line caught fish research – study to estimate the survival of popular recreational estuarine species and to determine factors that increase survival when released.

Membership to RecFish Australia - represents the interests of recreational fishers at a national level to ensure high-quality and sustainable fishing.

Mulloway stocking – research to explore the effects of stocking mulloway fingerlings in Botany Bay and North Coast estuaries.

Nelson Bay disability access platform – construction of a platform to provide disabled access to the water for recreational fishing.

Offshore artificial reef deployment – investigating the potential for construction of purpose built artificial reefs in coastal waters.

Recreational fishing access (coastal) – Identification of sites of significance to recreational fishing to secure fair access for anglers.

Recreational fishing governance – investigating a framework to provide for governance of recreational fishing.

Recreational fishing havens process – thirty recreational fishing havens were created along the NSW coast in 2002 to provide better fishing opportunities for anglers. The Trust is repaying a loan used to buy out commercial fishing businesses.

Recreational fishing line bin project – Installation of customised bins in popular locations for the safe disposal of fishing line to reduce injury to wildlife.

21. Fisheries trust fund report (cont'd)

Recreational fishing in Shoalhaven River - research in the Shoalhaven River, including regional stakeholder workshops.

Recreational fishing trust executive officer - oversees the Recreational Fishing Trusts and provides efficient service delivery to the Expenditure Committees and ACoRF.

Recreational publications – boosts production of advisory material to educate the community about responsible and sustainable fishing.

Recreational research project – collection of information on effort and harvests of important recreational fish species for resource assessments.

Research on striped marlin – investigation of age, growth and reproduction of this important recreational species.

Richmond River rescue – installation of flood mitigation gates in the Richmond River floodplain to improve environmental outcomes.

Satellite tagging of tiger sharks – gathering of detailed information on the movements of the tigers sharks.

Small grants program – provides grants for fishing clubs, councils and other community members for small, local projects aimed at enhancing recreational fishing.

Study of landed fish at gamefishing tournaments – collection of valuable biological data on gamefish at gamefishing tournaments across NSW.

Swansea radio tower – to improve safety for recreational fishing boaters in the Swansea region.

Wave behaviour research – aims to characterise the behaviour of wave groups impacting coastal rock platforms to educate the fishing community of potentially hazardous conditions.

Young Leaders Program – education and mentoring of young people by recognised leaders in recreational fishing advocacy and management.

Recreational Fishing (Freshwater) Trust Fund expenditure

Project	Total Available 2007-08* \$'000	Actual Expenses 2007-08 \$'000	Carry Forward \$'000
Dollar-for-dollar native fish stocking program	230	119	111
Dutton Trout Hatchery recirculation system	6	1	5
Eastern cod stocking program	5	5	0
Effectiveness of stocking research	167	167	-1
Enhanced fish production for stocking	345	340	6
Expenditure committee meeting expenses	16	19	-3
Fishcare volunteer program	181	246	-65
Fisheries officers (inland)	762	557	205
Freshwater catfish research	207	118	89
Freshwater recreational management	173	172	1
Gaden Trout Hatchery redevelopment	42	42	0
Impoundments access program	11	11	0
Inland habitat restoration grants program	167	36	131
Inland management officer	92	104	-13
Macquarie perch research	60	28	32
Maintaining access in travelling stock reserves	124	139	-15
Maximising survival of inland line caught fish research	241	162	78
Nodavirus research	22	22	12
Regional fish habitat managers (2)	5	5	0
Small grants	60	35	25
Total	2 916	2 328	598

* The total available 2007-08 consists of allocations from the trust fund in 2007-08 and amounts carried forward from 2006-07.

Dollar-for-dollar native fish stocking program – provides grants for fishing clubs, councils and community groups to buy native fish from hatcheries to stock in approved public waterways.

Dutton Trout Hatchery recirculation system – provides for a temperature controlled re-circulation unit capable of maintaining trout broodstock to enhance production.

Eastern cod stocking – essential research into genetic factors of cod to investigate effective stocking practices in the future.

Effectiveness of stocking research – research to improve effectiveness of freshwater stocking practices in NSW.

Enhanced fish production for stocking – enhancement of the stocking capacity of fish hatcheries at Narrandera, Jindabyne, Ebor and Port Stephens.

Expenditure committee meeting expenses – the Recreational Fishing Freshwater Trust Expenditure Committee (RFFTEC) provides advice on priorities for expenditure to ACoRF and monitors the progress of projects supported by the Trust.

Fishcare volunteer program - a dynamic volunteer program providing face to face education of recreational fishers, including promoting awareness of fishing rules

21. Fisheries trust fund report (cont'd)

and sustainable fishing.

Fisheries officers (Inland) – maximise compliance with fishing rules and provide advisory services to recreational fishers.

Freshwater catfish research – aims to identify patterns of population structure in freshwater catfish and identify suitable reintroduction sites within the Murray-Darling catchment.

Freshwater recreational management – management of fish stocking programs in NSW and community liaison and correspondence with fishing clubs and other key stakeholder groups.

Gaden Trout Hatchery redevelopment – facilities upgrade to enhance the continual production of hatchery reared fish for stocking.

Impoundments access program – development of a guidebook on stocked lakes and impoundments for anglers.

Inland habitat restoration grants program – provides matching funding to angling clubs, local councils and Landcare groups for on-grounds habitat rehabilitation projects to enhance native fish stocks.

Inland management officer – monitoring and assessment of inland stockings to improve environmental outcomes.

Macquarie perch research - investigation of captive breeding techniques of Macquarie perch.

Maintaining access in travelling stock reserves – identification of travelling stock reserves and other parcels of land of significance to anglers to ensure maintenance of appropriate access for fishers.

Maximising survival of inland line caught fish research – studies to estimate the survival of popular recreational inland species and establish factors that increase survival when released.

Nodavirus research – aims to understand the causes and management of nodavirus outbreaks in Australian bass to ensure ongoing stocking of the species.

Regional fish habitat management – inland conservation management focused on protecting and rehabilitating valuable freshwater fish habitats for healthy and productive recreational fisheries.

Small grants program – provides grants for fishing clubs, councils and other community members for small, local projects aimed at enhancing recreational fishing. Recreational Fishing (Freshwater and Saltwater) Trust Fund expenditure

The following programs are funded on a one-third two-thirds basis by the respective trust funds.

Project	Total Available 2007-08* \$'000	Actual Expenses 2007-08 \$'000	Carry Forward \$'000
Fishing guides	174	158	16
Fishing promotion	50	76	-26
Fishing safety DVD	60	60	0
Fishing workshops	98	87	11
Recreational fishing fee administration	1 199	1 032	167
Recreational fishing fee reminder notice	165	165	0
Recreational fishing fee research database	90	75	15
Recreational Fishing Infrastructure Manager	62	6	56
Recreational fishing trust DVD	3	3	0
Research on banded grunter	21	21	0
Socio-economic survey of recreational fishing	75	0	75
Tournament management	138	141	-3
Tournament monitoring	118	103	15
Total	2 253	1 927	326

* The total available 2007-08 consists of allocations from the trust fund in 2007-08 and amounts carried forward from 2006-07.

Fishing guides – printing and distribution of 300 000 Recreational Saltwater and Freshwater Guides free of charge to anglers in 2007/08.

Fishing promotion – raises awareness of fishing rules, including the need for a recreational fishing fee receipt, to encourage responsible and sustainable fishing practice.

Fishing safety DVD – production of high quality DVD modules on fishing safely.

Fishing workshops – children's workshops in Sydney, at Government hatcheries and across regional NSW, including workshops for special needs groups and culturally and linguistically diverse communities.

Recreational fishing fee administration – management of a network of 1 000 fee agents, and internet and telephone fee payment systems. Includes payment of agent commissions.

Recreational fishing fee reminder notice – mailing out of reminder letters (with advisory material) to one and three year fee receipt holders.

Recreational fishing fee research database – collection of information on fishing fee receipt holders, including names, addresses, phone details and other demographic information for use in surveys of recreational angling.

21. Fisheries trust fund report (cont'd)

Recreational fishing infrastructure manager – development of recreational fishing infrastructure projects and on-grounds works throughout NSW.

Recreational fishing trust DVD – production of a DVD outlining programs funded by the Trusts and distribution to recreational fishers.

Research on banded grunter – development of a plan to control the banded grunter (pest species) in the Clarence River.

Socio-economic survey of recreational fishing – state-wide survey of recreational fishing for the purpose of securing long term access for recreational fishing stakeholders.

Tournament management – development and implementation of a code of conduct for fishing competitions to improve the environmental and social impacts of these events.

Tournament monitoring – collection of catch and effort information at selected fishing competitions across NSW to monitor fish populations.

22. Cost of production of the 2007-08 annual report

The total external cost incurred in the production of the NSW DPI's 2007-08 Annual Report is \$35 519.00. This cost includes editing, print management and print production. An electronic copy is available on the department's website at www.dpi.nsw.gov.au

23. Research and development

The department manages a research portfolio with a direct annual investment of about \$100 million dollars per year. About half of the investment comes from partnerships and alliances. These collaborations make NSW DPI one of the largest research organisations in Australia, with almost 900 staff and more than 700 projects. The department's partnerships and collaborations enhance its capacity to provide the research that underpins and drives productivity growth in the State's primary industries and to address key environmental and social issues associated with primary industries.

The department is involved with seventeen Cooperative Research Centre's (Table 1) which along with fifty significant co-investors (Table 2), contributed a total of over \$41 million in funds to the department research activities. Further, the department collaborates with a wide range of universities within and outside of Australia, CSIRO and with State Departments from other jurisdictions. A number of these arrangements have been formalised in significant alliances (Table 3).

Table 1. Current NSW DPI involvement with CRC's

CRC Name	HQ / NSW Node	Period
Australian Weed Management	SA/Wagga & Orange	2002 - 08
Landscape Environments & Mineral Exploration	WA/Maitland	2002 - 08
Predictive Mineral Discovery	VIC/Maitland	2002 - 08
Value Added Wheat	NSW/Wagga	2002 - 08
Bushfire	VIC/Pennant Hills	2004 - 10
Desert Knowledge	NT/Trangie	2004 - 10
Irrigation futures	QLD/Orange	2004 - 10
Australasian Invasive Animals	ACT/Orange	2006 - 12
Beef Genetic Technologies	NSW/Armidale	2006 - 12
Cotton Catchment Communities	NSW/Narrabri	2006 - 12
Internationally Competitive Pork Industry	SA/EMAI	2006 - 12
National Plant Biosecurity	ACT/Orange	2006 - 12
Forestry	TAS/Pennant Hills	2006 - 12
Sheep Industry Innovation	NSW/Armidale	2006 - 12
Future Farm Industries	WA/Wagga & Tamworth, Glen Innes	2006 - 12
Seafood	SA/Port Stephens	2006 - 12
CO ² (Greenhouse Gas Technologies)	ACT/Maitland	2006 - 12

Table 2. Significant Co-investors

Aquaculture Trust	Central West Catchment Management Authority
AusAid	Comm Dept of Employment, Workplace Relations & Small Business
Aust Ctr for International Ag Research	Commercial Fisheries Trust
Aust Pork Limited	Cotton Catchment Communities CRC
Aust Quarantine Inspection Service	Cotton R&D Corporation
Australasian Invasive Animals CRC	Dairy Australia
Australian Wool Innovations	Dept Agriculture, Fisheries & Forestry / Plant Health Australia
Beef Genetic Technologies CRC	Dept Environment & Climate Change