



MEETING	Recreational Fishing Saltwater Trust Expenditure Committee (RFSTEC)		
MEETING NO.	Meeting 46	DATE	5 May 2016
LOCATION	St George Rowers Club 1 Levey Street, Wollie Creek	TIME	9:00 am – 3:30 pm
ATTENDEES	Bruce Schumacher (Chair), Lisa Terry (Region 2), Geoff Shelton (Region 4), Stuart Rhodes (Region 6b), John Paton (Region 6a), Stan Konstantaras (RFA), John Burgess (ANSA), Bryan van der Walt for Peter Turnell (DPI), Garry Chenoweth for David Jones (Gamefishing) and Adrian Wayne for John Featherstone (Region 3)		
APOLOGIES	John Featherstone (Region 3), Lionel Jones (Region 5), Greg Liddell (Region 8), Peter Turnell (DPI).		
PREPARED BY	Craig Mercier		

### 1. Chair's introduction

The Chair welcomed members to the meeting.

### 2. Confirmation of outcomes from previous meeting

The draft outcomes of the 44<sup>th</sup> RFSTEC meeting were accepted as a true and accurate record of the meeting. Moved John Paton, Seconded Geoff Shelton, Carried.

### 3. Action items from previous meeting

The Committee noted the progress on action items from the previous meeting. (Table 1)

### 4. Status of the Saltwater Trust

The status of the Saltwater Trust was presented. RFSTEC received updates on the following issues: Recreational Fishing NSW Advisory Council; development of a recreational fishing smartphone application; recent appointment of the new Director of Fisheries Research; summary of recreational fishing licence sales; Recreational Fishing Trusts promotions, "Go Fishing NSW Day" and summary of results of the "Survey of Recreational Fishing in NSW and the ACT 2013/14."

### 5. Review of new Trust funding applications

The committee reviewed new Saltwater Trust grant applications. Funding recommendations with respect to each project will be forwarded to the Recreational Fishing NSW Advisory Council for subsequent recommendations to the Minister for consideration. Meeting recommendations are provided in Tables 3 and 4.

### 6. General business

Issues raised in general business are provided in this meeting action items (Table 2).

### 7. Next meeting

TBC

## 8. Action items

**Table 1: Previous meeting**

Action	Status
RFSTEC requested the Director Fisheries Operations to attend the next meeting to present and discuss GLS fees and licensing issues to the committee.	GLS Fees and update provided by Bryan van der Walt at this meeting
Development of Smartphone app to consider inclusion of a link to charter boat operators web page on NSW DPI webpage	Under consideration.
DPI to consider including all NSW Charter vessel CFB numbers to the charter boat webpage list, including active and non active licences.	Under consideration.
Distribute new recreational fishing guides to RFSTEC members.	Completed

**Table 2: This meeting action items**

Action	Issue
Clarification to be sought over the delayed approval process surrounding grant application approvals.	There have been no delays in approvals for general Trust projects. There was a short delay in approval for the inaugural disabled fishing access project approvals noting approval was also required from the Minister for Disability Services given the dual funding sources.
RFSTEC committee to be provided hard copies and/or electronic copy of the Survey of Recreational Fishing in NSW and the ACT 2013/14.	Completed
Internal Audit Grants Administration recommendations to be provided to John Burgess.	Completed.
DPI to request update on stakeholder involvement in the DPI resource assessment process.	Fisheries Research contacted for feedback.

## 9. RFSTEC new project assessment recommendations

**Table 3: New Trust applications supported by RFSTEC**

**Platform: Recreational Fishing Education**

<b>Project</b>	<b>Organisation</b>	<b>2016/17</b>	<b>2017/18</b>
<p><b>Civic Disability Services fishing program, Sutherland Shire</b> To allow delivery of a weekly fishing activity for low-to-high needs individuals with intellectual disability who have an interest in fishing and nature. <i>SUPPORTED – Moved Adrian Wayne, Seconded Lisa Terry</i></p>	Civic Disability Services	\$16,400	\$0
<p><b>Go Fishing NSW Day 2016 – promoting fishing as a healthy, fun, outdoors activity</b> Following the success of the NSW Go Fishing NSW Day in December last year, it is proposed to hold the second day on 16 October 2016. The day will recognise and promote the importance of recreational fishing as a healthy, fun, outdoors activity. The day will coincide with the inaugural National Recreational Fishing Day, which is being run by the Australian Fishing Trade Association. <i>Bryan van der Walt left the room during discussions and voting. SUPPORTED – Moved John Paton, Seconded Lisa Terry. Comment – if the fishing club grants component of the project is over-subscribed, DPI should re-apply to the Trust for further funds so as to not disenfranchise clubs.</i></p>	NSW DPI	SW \$133,000 FW \$57,000	\$0
<p><b>Fish Port Stephens - digitally interactive educational display on recreational fishing in Port Stephens at the Visitor Information Centre</b> To develop content and partnerships to create a dedicated digitally interactive educational display on all aspects of recreational fishing in Port Stephens at the Visitor Information Centre Nelson Bay, including mobile friendly web content and comprehensive user-friendly information on recreational fishing in the Port Stephens region. The project will be supported by a communications and marketing campaign to promote Port Stephens as a great destination for fishing – for locals and visitors. <i>SUPPORTED – Moved John Burgess, Seconded Geoff Shelton. Condition – NSW DPI Fisheries to review content of digital interactive educational display before release. Non-support for establishing a new process for fishing licence sales and for collecting and using licence holder contact details.</i></p>	Destination Port Stephens	\$10,000	\$0

<b>Project</b>	<b>Organisation</b>	<b>2016/17</b>	<b>2017/18</b>
<p><b>Warrawong Intensive English Centre – Fishing for Refugees (additional funding sought for existing project)</b>  This submission is an extension to SS004 (\$3,406). The objective is to teach refugee new arrivals to Australia responsible and sustainable fishing practices through funding for transport to different fishing locations.  <i>SUPPORTED – Moved Ann Garard, Seconded John Burgess. Condition – that project lessons learned and specialist resources produced be shared with other groups working on similar objectives</i></p>	Intensive English Centre, Warrawong	\$6,500	\$0
<p><b>Assisting others to enjoy fishing 2016/2017</b>  Hold three junior Fishing Clinics and 1 CanTeen Cancer Kids visit. Teach how to rig rods, tie knots, bait hooks, cast rods, gather bait from inter tidal zones, cast, catch and release fish and look after the environment.  <i>SUPPORTED – Moved Garry Chenoweth, Seconded Lisa Terry.</i></p>	Narooma Sport and Gamefishing Club Inc	\$5,000	\$0
<p><b>Communicating more effectively with recreational fishers from Chinese speaking backgrounds</b>  To better understand how communications with Chinese speaking recreational fishers can be improved.  <i>SUPPORTED – Moved John Burgess, Seconded John Paton. Comment. NSW DPI to discuss possibility of including broader range of languages for the study.</i></p>	University of Wollongong (UoW)	\$81,039	\$0
<p><b>Warrawong High School – Project Neptune 2016/17</b>  Project Neptune began in 1998. Fishing is a school sport. Weather permitting, sport is Thursday afternoons. Terms 1 &amp; 4 The highlight is the program’s annual deep sea charter.  <i>SUPPORTED – Moved Lisa Terry, Seconded Garry Chenoweth.</i></p>	Warrawong High School	\$1,920	\$0

**Platform: Aquatic habitat protection and rehabilitation**

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<p><b>Flagship Habitat Action</b>  The Flagship Habitat Action program will work with key stakeholders and attract matching investment to deliver large-scale coastal fish habitat rehabilitation; restoring highly productive fisheries.  <i>SUPPORTED – Moved John Paton, Seconded John Burgess. Condition - \$400,000 funding each year for large habitat grants only and no salary components. Flagship Habitat Action project to utilise existing assessment process for Habitat Action Grants including Technical Assessment Panel.</i></p>	NSW DPI	\$400,000	\$400,000

**Platform: Fishing access and facilities**

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<p><b>Provision of roof for fish cleaning table at Callala Bay</b>            To provide a roof to the existing fish cleaning table located adjacent to the boat ramp at Callala Bay.  <i>SUPPORTED – Moved Stan Konstantaras, Seconded John Burgess. Condition – Callala Bay Community Association to consult with council for the provision of trailer-only parking signs to be allocated to spots at the existing boat ramp facility.</i></p>	Callala Bay Community Association	\$6,358	\$0
<p><b>Hat Head beach 4WD accessway</b>            To provide a 4WD vehicle accessway for a length of 20 meters to provide safe access across the soft, unstable foredune for fishermen using their vehicles to access the beach. This vehicle accessway is the only access to the southern end of the 13 km Smokey Beach. The beach is an important and very popular fishing location and is accessed by many local and tourist fishers throughout the year.  <i>SUPPPORTED – John Paton, Seconded Ann Garard.</i></p>	Hat Head Dune Management Trust	\$9,550	\$0
<p><b>Construct a fishing platform at ANZAC Park, Nambucca Heads</b>            Construct a large 6.8 x 12.5 metre fishing platform with a disability ramp from the edge of Anzac Park over the Nambucca River with steps leading to the river.  <i>SUPPORTED – Moved Lisa Terry, Seconded Adrian Wayne. Condition – Funding of \$50,000 for construction fishing platform. Lions Club of Nambucca Heads to consult with council to fund peripheral works. Railing to be included on front of fishing platform to prevent boats docking.</i></p>	Lions Club of Nambucca Heads	\$71,250 Requested \$50,000 Supported	\$0
<p><b>Eco Fishing Huts – Wilderness Fishing Access stage 1 (2 huts)</b>            Develop a system of basic “fishing eco huts” in coastal and inland areas to provide opportunities for anglers to access remote areas for short stays in purpose designed overnight accommodation.  <i>Bryan van der Walt left the room during discussions and voting. SUPPORTED – John Paton, Seconded Lisa Terry.</i></p>	NSW DPI	\$193,500	\$0
<p><b>Clean, Safe Wharves initiative – keeping Sydney Harbour ferry wharves open to fishing</b>            This project contributes to the Clean, Safe Wharves campaign which involves a series of education and maintenance initiatives aimed at encouraging responsible recreational fishing behaviour on the 50 Sydney Harbour ferry wharves and ensuring fishing access is maintained. These funds will contribute to signage, advertising and associated other new initiatives as fisher issues arise.  <i>Bryan van der Walt left the room during discussions and voting. SUPPORTED – Moved Stan Konstantaras, Seconded John Paton.</i></p>	NSW DPI	\$60,000	\$0
<p><b>Relocation of Fitzgerald Bridge fish cleaning station, Raymond Terrace</b>            Relocation of the existing fish cleaning station to a more suitable nearby location to eliminate the problem of poor drainage and stagnant water.  <i>SUPPORTED – Moved Lisa Terry, Seconded Stan Konstantaras.</i></p>	Port Stephens Council	\$2,750	\$0

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<p><b>Bawley Point heritage fishing platform</b>  Upgrade to a historically significant heritage gantry at Bawley Point to create a safe ocean fishing platform. The existing platform is a popular ocean fishing spot, but is currently unsafe due to deterioration and weathering of materials.  <i>SUPPORTED – Moved Stuart Rhodes, Seconded Lisa Terry. Condition – council to seek heritage sources of funding also for the project.</i></p>	Shoalhaven City Council	\$60,000	\$0

**Platform: Fishing fee coordination and payment network**

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<p><b>Recreational Fishing NSW Advisory Council (RFNSW) consultation and meeting expenses</b>  RFNSW will advise the Minister for Primary Industries on recreational fishery issues including maintaining and improving the quality of recreational fishing opportunities and access, and recommendations regarding allocation of recreational fishing fee funds to programs that benefit recreational fishing. RFNSW members will receive an annual stipend payment instead of meeting sitting fees.  <i>SUPPORTED – Moved Geoff Shelton, Seconded Lisa Terry. Condition - Funding for 1 year only, application to be resubmitted for second years funding to both fresh and saltwater committees as a joint funded project.</i></p>	NSW DPI	\$48,000	\$48,500 Requested \$0 Supported
<p><b>Recreational Fishing Fee Administration project – Government Licensing Service (GLS) fees</b>  This project supports the administration and functioning of the recreational fishing licence and provides for a convenient payment network for the licence and transfer of revenue into the Recreational Fishing Trusts. The network includes an electronic platform run by the Government Licensing Service (GLS) for payment of licence fees and backend management of the licence system. This application covers GLS fees for 2016/17 and 2017/18.  <i>SUPPORTED – Moved John Burgess, Seconded Ann Garard. Condition – Funding for 1 year only. The committee requested NSW DPI to continue negotiations for a better price.</i></p>	NSW DPI	\$825,000	\$850,000 Requested \$0 Supported

**Platform: Research on fish and recreational fishing**

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<p><b>Developing mangrove jack as a new key species for freshwater recreational fishing in NSW – Phase 4: Fishery survey of Clarrie Hall dam and continuation of stocking</b></p> <p>The development of a recreational fishery based on mangrove jack in Clarrie Hall Dam is well underway, but now requires a post-stocking survey (24 months post first fingerling release), and further stocking effort. This application will cover the costs of a comprehensive post-stocking survey by electrofishing, netting and trapping, and the production of a further batch of 8,000 fingerlings for release in the 2016/17 summer.</p> <p><i>SUPPORTED. Moved John Burgess, Seconded John Paton (SW).</i></p>	Southern Cross University	SW \$26,279 FW \$26,279	\$0
<p><b>Environmental drivers of spawning migration in Australian Bass in the Hunter River, NSW</b></p> <p>Acoustic tracking of Australian bass in the Hunter river to determine natural and artificial drivers and impediments of movement behaviour and spawning migration.</p> <p><i>SUPPORTED – Moved John Burgess, Seconded John Paton.</i></p>	Deakin University	\$9,750	\$0
<p><b>Laying the foundations for shellfish reef restoration: Review of available ecosystem services data for Sydney rock oysters</b></p> <p>Desktop review of the ability of Sydney rock oysters to improve water quality and fisheries production to estimate the extent of lost ecosystem services in our estuaries and inform efforts to restore shellfish reefs in NSW.</p> <p><i>SUPPORTED – Moved John Burgess, Seconded John Paton.</i></p>	DigsFish Services	\$10,000	\$0
<p><b>NSW Game Fish Tournament Monitoring</b></p> <p>Support fishery sustainability and quality recreational fishing opportunities for game fish species and strengthen negotiations between recreational fishers, Government and other interested organisations regarding threats to fishery access.</p> <p><i>SUPPORTED – Moved Adrian Wayne, Seconded John Burgess. Condition – Funding for 1 year only. Review of project to be carried out.</i></p>	Ghosn Consulting Services	\$66,250	\$69,700 Requested \$0 Supported
<p><b>Integrated Angler Monitoring Program: Comprehensive ongoing assessment of recreational fishing in NSW to get better angler catch information quicker and more reliably</b></p> <p>Currently recreational surveys and assessments have been carried periodically providing snapshots of patterns of recreational catch and effort (e.g. 12 years between statewide surveys). This proposal outlines an alternative to the current piecemeal approach by integrating a regular assessment of the NSW angler population, including getting information from key industry stakeholders (such as charter fishers).</p> <p><i>SUPPORTED – Moved Lisa Terry, Seconded Garry Chenoweth. Conditions – Requires successful consultation with charter operators prior to commencement. Project Manager to continue to liaise with interstate counterparts to ensure national communication and sharing of best practice.</i></p>	NSW DPI	\$322,700	\$397,100

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<p><b>Monitoring and Research on Landed Fish at Game Fishing Tournaments in NSW: 2016/2017 &amp; 2017/2018</b>            The project facilitates and conducts monitoring, sampling and biological research on billfish, tuna, sharks and other gamefish captured and weighed at major game fishing tournaments in NSW.  <i>SUPPORTED – Moved Garry Chenoweth, Seconded John Paton. Condition – Funding supported for 1 year only. Review of project to be carried out.</i></p>	Pepperell Research & Consulting Pty Ltd	\$29,500	\$30,000 Requested \$0 Supported
<p><b>Provision of Annual Report for the Gamefish Tagging Program for 2015/2016.</b>            Provision of an informative, attractive and readily accessible report on the Gamefish Tagging Program for the year 2015/2016.  <i>SUPPORTED – Moved John Paton, Seconded Garry Chenoweth.</i></p>	Pepperell Research & Consulting Pty Ltd	\$6,000	\$0
<p><b>Rock fishing safety monitoring camera</b>            Provide a camera system for the monitoring of anglers and their safety equipment use on rock platforms, and determining the characteristics of dangerous rogue waves on the platforms.  <i>SUPPORTED – John Paton, Seconded Lisa Terry.</i></p>	UNSW Australia Water Research Laboratory (WRL)	\$45,000	\$0
<p><b>Habitat use and movements between estuaries and the coastal ocean by Hairtail</b>            Gather information on the movements of hairtail in different life stages between estuaries and the coastal ocean using chemical analysis of fish ear bones (otoliths) collected under an existing student project.  <i>SUPPORTED – Moved John Paton, Seconded Adrian Wayne.</i></p>	Western Sydney University, School of Science and Health	\$9,912	\$0



**Table 4: New Trust project applications NOT supported by RFSTEC**

***Platform: Recreational fishing education***

<b><i>Project</i></b>	<b><i>Organisation</i></b>	<b><i>2015/16</i></b>	<b><i>2016/17</i></b>
<p><b>Strengthening the lines of communication – An approach for sustainable development of recreational fishing</b>                      This project will develop state-of-the-art tools, such as a smartphone app and website, to help government in collecting data critical to recreational fishing while supporting recreational anglers to make the best out of their fishing experience and contribute effectively to sustainable development of the recreational fishing industry.  <i>NOT SUPPORTED - Moved Stuart Rhodes, Seconded John Paton.</i></p>	CrowdData Pty. Ltd	SW \$76,636 FW \$32,844 Requested \$0 Supported	\$0
<p><b>“Fishing for Facts “- promoting sustainable recreational fishing education and awareness</b>                      To resource two additional interactive digital display for the National Marine Science Centre’s sustainable recreational fishing exhibit thus further maximising opportunities for visitors to gain insight into key concepts regarding sustainable recreational fishing as well as promoting the work of the Recreational Fishing Trust.  <i>NOT SUPPORTED – Moved Stuart Rhodes, Seconded John Paton. Comment – applicant to be encouraged to resubmit with further detail, justification and evidence of effectiveness</i></p>	Southern Cross University, National Marine Science Centre	\$44,440 Requested \$0 Supported	\$0
<p><b>Spearfisher increased surface visibility</b>                      To provide free to all spearfishers a measure of hi-vis reflective tape to apply to their snorkel tips, increasing their visible presence on the water to all watercraft users.  <i>NOT SUPPORTED – Moved Adrian Wayne, Seconded Lisa Terry. Comment – applicant to be encouraged to resubmit a more developed and expanded program addressing the issue of spearfisher visibility and increasing the uptake of existing initiatives and building on those.</i></p>	Underwater Skindivers and Fishermen’s Association (USFA)	\$4,000 Requested \$0 Supported	\$0

**Platform: Aquatic habitat protection and rehabilitation**

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<p><b>Designing and developing an innovative habitat mooring for recreational fishers</b>                      The project aims to develop and test a cost effective recreational boat mooring solution that increases fish biomass in recreational fishing hotspots.  <i>NOT SUPPORTED – Moved Stan Konstantaras, Seconded Stuart Rhodes. Comment –the focus should be on uptake of existing seagrass friendly mooring designs.</i></p>	The University of New South Wales	\$207,541 Requested \$0 Supported	\$0

**Platform: Fishing access and facilities**

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<p><b>Improving canoe access to Berowra Creek while enhancing riparian mangrove forests at Crosslands Reserve</b>                      Crosslands Reserve is a popular community recreational area offering passive boating, fishing and swimming. A canoe launching area is required to improve the environmentally sensitive mangrove community and improve water access.  <i>NOT SUPPORTED – Moved John Burgess, Seconded John Paton.</i></p>	Hornsby Shire Council	\$26,500 Requested \$0 Supported	\$0
<p><b>Jerseyville fishing platform</b>                      Refurbishment and enlargement of old fishers wharf into a modern fishing platform with block seating to improve access &amp; comfort for fishers of all abilities with car parking space(s) provision.  <i>NOT SUPPORTED – Moved Stuart Rhodes, Seconded Lisa Terry.</i></p>	Kempsey Shire Council	\$75,090 Requested \$0 Supported	\$0
<p><b>New Entrance Road fishing platform (Old Coal Wharf) – South West Rocks</b>                      Refurbishment and enlargement of old fishers platform into a modern fishers platform with block seating to improve access &amp; comfort for fishers of all abilities with car parking space(s) provision.  <i>NOT SUPPORTED – Moved Lisa Terry, Seconded Stuart Rhodes.</i></p>	Kempsey Shire Council	\$60,745 Requested \$0 Supported	\$0
<p><b>South West Rocks - Back Creek Sandbar Ramped Access</b>                      To provide safe pedestrian access for recreational fishers to the back creek tidal sand bar for fishing and bait collection by providing a disabled accessible ramped access point. This will also provide canoe/kayak access for recreational fishers. Currently access to the sandbar is limited and hard to negotiate from the primary road and fishers have approached Council to improve their access.  <i>NOT SUPPORTED – Moved Ann Garard, Seconded Stuart Rhodes.</i></p>	Kempsey Shire Council	\$40,610 Requested \$0 Supported	\$0

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<b>Kennedy Drive recreational boating facility – fish cleaning facility</b> Upgrade a length of the existing rock revetment, ~35m, to stabilise the river bank in the immediate vicinity of the existing fish cleaning facility, preventing collapse. <i>NOT SUPPORTED – Moved Stuart Rhodes, Seconded John Paton.</i>	Tweed Shire Council	\$25,500 Requested \$0 Supported	\$0
<b>Yowani Beach access steps, North Rosedale</b> To provide safer access to anglers in all weather conditions to Yowani Beach, a popular recreational fishing location at North Rosedale. <i>NOT SUPPORTED – Moved John Paton, Seconded Lisa Terry. Comment – applicant to be encouraged to resubmit with further costing and design detail</i>	Eurobodalla Shire Council	\$20,000 Requested \$0 Supported	
<b>Hill 60 Port Kembla - Point Perpendicular Jervis Bay Radio Link</b> Marine Rescue Port Kembla is the only manned 24 - 7 radio base in the Illawarra/Shoalhaven Region, the proposed VHF radio link between Port Kembla and Point Perpendicular will enhance the unit's ability to cover the waters between Sydney and Batemans Bay including the Coastal Lakes and Rivers within that area. <i>NOT SUPPORTED – Moved Stan Konstantaras, Seconded Adrian Wayne.</i>	Volunteer Marine Rescue NSW	\$6,679 Requested \$0 Supported	

**Platform: Research on fish and recreational fishing**

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<b>Addressing marine debris in NSW recreational fisheries: effects of soft-plastic ingestion on key fish species</b> Numerous non-biodegradable and biodegradable soft-plastic baits are widely used in recreational fishing, but there are virtually no data (anywhere) describing individual or population-level effects on fish after ingestion. Such data are required to both support and provide direction for the ongoing use of soft-plastic baits in NSW. <i>NOT SUPPORTED – Moved Stan Konstantaras, Seconded Adrian Wayne.</i>	NSW DPI	\$51,000 Requested \$0 Supported	\$0
<b>The role of spatial protection measures in mitigating effects of Mulloway bycatch in the NSW Ocean Trawl Fishery</b> This project seeks a small amount of co-funding (~10% of project costs) for a large FRDC application which is examining interactions between inshore trawlers and juvenile Mulloway, in a bid to better manage post-flood bycatch issues.	NSW DPI	\$30,000 Requested \$0 Supported	\$30,000 Requested \$0 Supported

<b>Project</b>	<b>Organisation</b>	<b>2015/16</b>	<b>2016/17</b>
<i>NOT SUPPORTED - Moved Adrian Wayne, Seconded John Paton.</i>			
<b>Measuring the success of offshore artificial reefs by understanding patterns of angler activity</b> To monitor angler use and fish biomass at NSW's offshore artificial reefs 24-7 using land-based radar and sonar, to understand angler requirements and the cost effectiveness of reef infrastructure. <i>NOT SUPPORTED – Moved Stan Konstantaras, Seconded John Paton.</i>	University of New South Wales	\$176,871 Requested \$0 Supported	\$0