



Government of South Australia
Primary Industries and Regions SA

PIRSA FISHERIES & AQUACULTURE

COST RECOVERY PROGRAM

2015-16

CHARTER BOAT FISHERY

FINAL DOCUMENT

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SUMMARY TABLE CHARTER BOAT FISHERY

2014-15	PROGRAM AREA	2015-16	COMMENTS	Days	FTE
RESEARCH COSTS					
75,161	Stock Assessment and Monitoring	63,970	One year program, as per SARDI project scope.		
17,993	Economic Assessment	18,533	Contracted services		
4,295	Other Research	3,843	Contribution towards Threatened and Endangered Species		
PIRSA RELATED COSTS					
67,262	Policy and Management	67,065	Same level of service as previous year	75.00	0.38
9,499	Legislation	9,762	Same level of service as previous year	10.00	0.05
22,506	Licensing	20,976	Same level of service as previous year	30.00	0.15
2,708	Directorate	2,659	Same level of service as previous year	3.00	0.02
71,247	Compliance	72,453	Same level of service as previous year	60.00	0.30
56,891	Vessel	57,289	Same level of service as previous year	8.00	
OTHER COSTS					
10,000	FRDC	10,000	Snapper DEPM Research \$10K for three years (2013/14, 2014-15 and 2015/16)		
46,640	Co-Management Services	46,640	Co-management services requested and approved for 2015/16		
\$384,202	TOTAL	\$373,189			

Licence Fees	2015-16
Base	2,552
Category 1	637.90
Category 2	1,276
Category 3	2,552
<i>Licence Fees for</i>	<i>2014-15</i>
<i>Base</i>	<i>2,499</i>
<i>Category 1</i>	<i>625</i>
<i>Category 2</i>	<i>1,249</i>
<i>Category 3</i>	<i>2,499</i>

PROGRAM DAILY CHARGE OUT RATE

DAILY RATE (\$)	Compliance	Vessel	Quota	Directorate	Legislation	Licensing	Policy
Total Employee Expenses	593	2,222	365	565	604	422	549
Total Operating Expenses	318	2,189	39	131	181	82	154
Deprecation and Capital Costs	68	2,324	-	-	-	-	-
Total Other Expenses*	229	426	195	190	191	195	191
TOTAL DAILY RATE	1,208	7,161	599	886	976	699	894

Please Note: All dollar values have been rounded to the nearest dollar figure.

* Other expenses includes ICT, finance, human resources, WHS, accommodation, insurance and other costs incurred corporately in providing services to divisions, apportioned across PIRSA using a range of cost drivers such as number of logons, headcount, volume data and other workload indicators, in accordance with PIRSA's cost recovery policy. It excludes the costs of servicing government and costs too far removed from the activity such as Ministerial Offices, Office of the Chief Executive, Strategic Communications and Engagement and the PIRSA Policy Unit, for example.

INTRODUCTION

Wild catch commercial fisheries in South Australia will continue to be managed in accordance with the previously established PIRSA Cost Recovery Policy. This policy requires commercial fishery licence fees to fund services related to commercial fisheries management costs. PIRSA Fisheries & Aquaculture will continue to manage the process of consulting with service providers and relevant industry associations to establish fishery based management programs which will form the basis of annual licence fees.

For each sector, the program required to manage the fishery has the following components:

- Assessment and Research Services;
- Fisheries Policy and Management Services;
- Compliance Services, including communication, enforcement and monitoring activities;
- Support Services, including Legislation, Licensing and Business Services (Directorate).

This documentation provides a framework to assist in establishing appropriate research, policy, compliance and support services to manage a fishery.

CHARTER BOAT FISHERY MANAGEMENT OBJECTIVES 2013/14 TO 2015/16

Fishery	Long term objectives	Outcomes 2013/14 to 2015/16	Policy and Management	Compliance	Assessment and Research	Systems and Information
Charter Boat Fishery	<p>Resources harvested within ecologically sustainable limits</p> <p>Optimum utilisation and equitable distribution of the resources for the benefit of the community</p>	<p>Implementation of Management Plan under the <i>Fisheries Management Act 2007</i></p> <p>Review charter catch limits in conjunction with bag, boat and size limit review for recreational sector</p>	<p>Implement Management Plan for the Fishery</p> <p>Implement outcomes of Snapper review</p> <p>Lead review of catch limits in the Charter Boat Fishery</p>	<p>Support implementation of Management Plan</p> <p>Implement compliance plan, informed by risk assessment</p> <p>Support implementation of Snapper management changes</p>	<p>South Australian Recreational Charter Boat Fishery Report</p> <p>Discretionary research project – fishery independent index of abundance for Snapper</p> <p>Major stock assessment (King George Whiting 13/14)</p>	<p>Provide ongoing support for licensing and transfer queries</p>
	<p>Impacts on the ecosystem are minimised</p>	<p>Education and awareness programs of catch and release fishing</p>			<p>Annual TEPS logbook report (all fisheries)</p>	
	<p>Cost-effective, efficient and participative management of the fishery</p>	<p>Effective engagement with industry in accordance with agreed co-management arrangements</p>	<p>Industry liaison, attendance of meetings and provision of advice, as required</p>	<p>Implement compliance plan, informed by risk assessment</p>	<p>Industry liaison, attendance of meetings and provision of advice, as required</p>	<p>Provide ongoing support for licensing and transfer queries</p>

PROGRAM: FISHERIES POLICY AND MANAGEMENT

PROGRAM MANAGER

Keith Rowling, Manager Fisheries Policy and Management Unit
Telephone: 08 8226 1745 Email: Keith.Rowling@sa.gov.au

PROGRAM SUMMARY

The Fisheries Policy and Management Unit of PIRSA Fisheries & Aquaculture undertakes activities such as day-to-day management, long-term planning and policy development for South Australian commercial, recreational and Aboriginal traditional fisheries

The Fisheries Policy and Management unit has the following core functions:

- Administer the *Fisheries Management Act 2007* and regulations.
- Day-to-day management of fisheries resources, to ensure catch and effort levels are commensurate with resource sustainability.
- Develop and implement management plans, including harvest strategy development and ESD risk assessment, in accordance with the *Fisheries Management Act 2007*
- Provide advice to the Minister for Agriculture, Food and Fisheries, Chief Executive and Executive Director on matters relating to fisheries
- Represent the Director, Fisheries & Aquaculture Policy and Director, Operations on committees and other forums on matters related to the administration of the *Fisheries Management Act 2007*
- Develop over-arching policy frameworks to support fisheries management
- Build and maintain relationships with key stakeholders, with a particular focus on the commercial and recreational fishing sectors
- Progress Australian Government recommendations under EPBC Act assessment

OBJECTIVES

To provide day-to-day fisheries management services to for the Charter Boat Fishery to government and industry, as well as advice and facilitation of fisheries policy and management issues, through the Fisheries Policy and Management Program.

PROGRAM STRATEGIES AND SUPPORTING ACTIONS & INITIATIVES

PROGRAM DELIVERY

1. Participate in inter and intra-departmental meetings and workshops on issues relevant to fisheries management
2. Liaise within the Fisheries and Aquaculture Division, with SARDI Aquatic Sciences, other parts of PIRSA and other State and Commonwealth agencies on matters relevant to fisheries management
3. Liaise within PIRSA, with other government agencies and with industry representatives in implementing decisions relevant to fisheries management
4. Conduct regular assessment or review of existing management arrangements for fisheries management, including analysis of statistical information on fisheries and interactions with threatened, endangered and protected species
5. Coordinate consultation with fishery stakeholders through established co-management processes
6. Participate in industry liaison in the field and on vessels to strengthen fishery management knowledge and understanding, and develop rapport with licence holders
7. Participate in industry development initiatives related to fisheries management
8. Attending to general correspondence and enquiries relevant to fisheries
9. Provide advice to Minister in relation to the management of fisheries and Ministerial correspondence
10. Communicate on fisheries management issues to key stakeholder groups and the broader community

ANTICIPATED OUTCOMES

- Prepare day-to-day necessary legislative instruments and/or advice required for the management of the Charter Boat Fishery (regulations, closure notices, licence conditions, Ministerial exemptions etc).
- Provide advice to the Minister or his/her delegate on setting total allowable commercial catch and effort levels for the Charter Boat Fishery
- Prepare policies to support fisheries management
- Prepare submissions to enable regular assessment of the Charter Boat Fishery under the EPBC Act
- Prepare annual report to the Australian Government on EPBC Act requirements for the Charter Boat fishery
- Prepare regular fisheries status reports
- Develop and maintain day-to-day productive working relationships and outcomes through cooperative management and collaboration with stakeholders
- Further the development of co-management arrangements

Performance Indicators:

1. Strong industry and government involvement in co-management relationship and adherence to formally agreed co-management arrangements.
2. Develop and implement management plan. Management plans to include harvest strategies that protect sustainability of the fishery based on ESD risk assessment processes.
3. Australian Government recommendations met in relation to EPBC assessment.

PROGRAM EFFORT ALLOCATION

The table below includes an abbreviated suite of core activities reflect the anticipated split of effort and associated costs.

Strategy/Activities	Days	FTE	Cost (\$)
Policy and Management	75	0.38	67,065
TOTALS	75	0.38	67,065

Please Note: All dollar values have been rounded to the nearest dollar figure.

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PROGRAM: LEGAL SERVICES

PROGRAM MANAGER

Lambertus Lopez, Manager, Legal and Legislative Programs
Telephone: 08 8226 0266 Email: Lambertus.Lopez@sa.gov.au

PROGRAM SUMMARY

The Legal and Legislative Unit of PIRSA Fisheries & Aquaculture provides legal services to the Group Executive Director and all other members of the Division, in particular the policy group, on a daily basis. Among other things these services include strategic advice and problem solving, review of draft documentation and correspondence, statutory interpretation and the provision of general advice and statutory interpretation, in consultation with the Crown Solicitor's Office where necessary, regarding any legal issues relating to proposed actions and the implementation or administration of abalone fisheries management and regulatory arrangements through existing legislative frameworks and licence conditions. Consideration is also given to the impacts and effects of other related legislation if and when required.

OBJECTIVES

To provide legal services including the implementation of statutory and administrative changes to government, as well as strategic advice and facilitation of related policy development, legislative and regulatory issues, through the Legal Services Program.

PROGRAM STRATEGIES AND SUPPORTING ACTIONS & INITIATIVES

ANTICIPATED OUTCOMES

1. Co-ordinate the introduction, amendment or revocation of Fisheries legislation in line with Fisheries Policy decisions i.e. Act or regulation amendments, the introduction of new regulations and drafting of other legislative and administrative instruments such as delegation, permit or exemption instruments as required under the *Fisheries Management Act 2007* (the Act). New regulations or amendments require the drafting of Cabinet submissions and supporting documentation, including the preparation of drafting instructions, for consideration by Cabinet. This service includes co-ordinating the cabinet process involving liaison with the Office of Parliamentary Counsel and the Crown Solicitor's Office and inter agency consultation to ensure that proposed regulatory arrangements are accurately drafted and scrutinised before being implemented.
2. Review licensing arrangements required on an as needs basis to appropriately implement approved fishery management policy and measures within the limitations of the Act. The service includes working with the Licensing program (part of Systems and Information) where necessary to implement efficient administrative systems and finalise forms and instruments that are legally sound.
3. Problem solve together with the provision and co-ordination of legal advisory services in liaison with the Crown Solicitor's office relating to the implementation and administration of the Act, Regulations and fisheries management policies, interaction with other Acts, and the defence of those policies and arrangements raised in litigation or industry correspondence.
4. Coordinate applications for Ministerial exemptions under Part 10 Division 1 and Permits under Part 7 Division 2 of the Act.

5. Additional legal services to support, on an as needs basis, the decision-making of the Director Fisheries and Aquaculture policy and the Director Operations and other delegates of the Minister under the Act to safeguard the ongoing sustainability of a fishery in any particular year (where required), depending on positive or negative scientific indicators, to implement new fisheries management arrangements (for example the introduction or variation of a quota system) or new administrative or compliance arrangements (for example, changes to licensing processes, conditions, introduction of closures).
6. Support compliance for statutory interpretation, problem solving and correspondence advice (per above).

PROGRAM EFFORT ALLOCATION

The table below includes an abbreviated suite of core activities reflect the anticipated split of effort and associated costs.

Strategy/Activities	Days	FTE	Cost (\$)
Legislation	10	0.05	9,762
TOTALS	10	0.05	9,762

Please Note: All dollar values have been rounded to the nearest dollar figure.

PROGRAM: LEASING AND LICENSING

PROGRAM MANAGER

Erin Conlon, Manager, Leasing & Licensing
Telephone: 08 8204 1374 Email: Erin.Conlon@sa.gov.au

PROGRAM SUMMARY

The Fisheries Leasing & Licensing Section of PIRSA Fisheries & Aquaculture is responsible for the management of Licensing, Quota Monitoring and VMS services. This business unit provides a range of services related to the timely processing and management of information leading to the issue of licences and other reporting services. The unit administers a licensing call centre for licence inquiries and other administrative services. The success of these functions is based on maintaining the Primary Industries Information Management System (PIIMS) database.

OBJECTIVES

To provide leasing and licensing services to government and industry through the Leasing and Licensing Program.

PROGRAM STRATEGIES AND SUPPORTING ACTIONS & INITIATIVES

ANTICIPATED OUTCOMES

1. Issue licences to licence holders in an accurate and timely manner.
2. Provide accurate and timely information related to licences.
3. Provide quarterly activity report (as required), within one month at the end of each quarter.

Services to directly support the fishery:

1. Renew and maintain fishery licences.
2. Database management for licence renewal.
3. Collect licence fees and associated payments.
4. Compose and send quarterly instalment notices.
5. Record and track unpaid renewals.
6. Compose and send late payment instalment notices for un-paid quarterly instalments.
7. Draft and issue notices to Fishers.
8. Process requests for information from fishers who make such inquiries over the counter, through the call centre, via facsimile or e-mail. For example, helping fishers to process information relevant to licence renewal forms, application for licence transfers, boat changes, gear enquiries and fishing regulations.
9. Regularly update information about licence holders.
10. Research and prepare documents for public record.
11. Liaise with government stakeholders to verify the credentials of fishers.
12. Liaise with PIRSA Fisheries & Aquaculture, SARDI Aquatic Sciences, Crown Solicitors and other state and local agencies on matters relevant to the fishery.

13. Draft and update licence conditions over the duration of the licensing year as determined by the Executive Director, Fisheries and Aquaculture and the Director, Fisheries and Aquaculture Policy.
14. Provide information to licence holders relating to the requirements pursuant to licence administration.
15. Manage calls from fishers regarding late payment notices, fees and general enquiries about their licences.
16. Provide support regarding an increased frequency of last minute administrative enquiries from fishers. e.g., master changes and quota transfers, as well as provide advice and support to fishers on licence information, to complete the required forms.

Services to support fisheries management:

1. Participate in inter and intra departmental meetings and workshops on issues relevant to the fishing industry.
2. Liaise with relevant staff within PIRSA Aquaculture and Fisheries in implementing decisions relevant to the fishery.
3. Interrogate the PIIMS database to extract information for other stakeholders to use in preparing reports.
4. Prepare reports requested by internal and external customers including maintenance of a public register of licence holders.
5. Liaise with information technology providers to maintain PIIMS and administer licensing requests.

PROGRAM EFFORT ALLOCATION

The table below includes an abbreviated suite of core activities reflect the anticipated split of effort and associated costs.

Strategy/Activities	Days	FTE	Cost (\$)
Leasing and Licensing	30	0.15	20,976
TOTALS	30	0.15	20,976

Please Note: All dollar values have been rounded to the nearest dollar figure.

PROGRAM: DIRECTORATE

PROGRAM MANAGER

Chiara Ciui, Business Manager
Telephone: 08 8226 2317 Email: Chiara.Ciui@sa.gov.au

PROGRAM SUMMARY

Business Strategy, within Directorate of PIRSA Fisheries & Aquaculture, provides a range of services to support fisheries management. These include coordinating the cost recovery process and establishing agreements with service providers; coordinating program provider reports; administering external contracts and agreements; and providing audit, financial and human resource functions.

OBJECTIVES

To provide support services to government and industry, as well as advice and facilitation of corporate related policy and management issues, through the Directorate Program that incorporates the Fisheries & Aquaculture Business Strategy Unit.

PROGRAM STRATEGIES AND SUPPORTING ACTIONS & INITIATIVES

ANTICIPATED OUTCOMES

1. Coordinate and facilitate cost recovery processes and program agreements, including liaising with program providers, managers and financial services as required.
2. Attend meetings relating to cost recovery, licence setting and related policy issues.
3. Develop and review cost recovery policy, processes and program agreements.
4. Manage major service providers' service level agreements.
5. Project manage and administer external contractual services and agreements – including liaising with PIRSA Accredited Purchasing Unit, preparing acquisition plans and selecting evaluation criteria, managing tender processes, drafting purchase recommendations and liaising with the Crown Solicitor's office to develop contractual agreements.
6. Provide advice on procurement and invoicing requirements.
7. Consult with the Group Executive Director, Director, Fisheries and Aquaculture Policy, Director, Operations, PIRSA fisheries managers, and the Office of the Minister and other parties as needed.
8. Management of industry funds and services.
9. Plan, coordinate and facilitate the cost recovery process with industry associations and program providers in a timely and efficient manner.
10. Ongoing review, development and documentation of the cost recovery model, framework, processes and roles.
11. Meet agreed timeframes on management and administration of external contractual services.
12. Appropriate management of industry funds and services.

PROGRAM EFFORT ALLOCATION

The table below includes an abbreviated suite of core activities and initiatives used to manage risks and reflect the anticipated split of effort and associated costs.

Strategy/Activities	Days	FTE	Cost (\$)
Directorate	3	0.02	2,659
TOTALS	3	0.02	2,659

Please Note: All dollar values have been rounded to the nearest dollar figure.

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PROGRAM: FISHERIES COMPLIANCE OPERATIONS

PROGRAM MANAGER

Matt Read
Manager Offshore Patrol Vessel
Telephone: 0428 824 787 Email: matt.read@sa.gov.au

STATE COORDINATOR

Aaron Hanson
Senior Fisheries Officer
Telephone: 0409 204 129 Email: aaron.hanson@sa.gov.au

COMPLIANCE PROGRAM SUMMARY

PIRSA Fisheries and Aquaculture teams undertake coordinated compliance activities to educate fishers, deter opportunistic and financially motivated fishery related offences and enforce the rules and regulations.

In consultation with industry a dedicated compliance plan has been developed for the Charter fishery. This compliance plan was developed to direct effort and ensure compliance activities are intelligence driven, efficient, cost effective and outcome focussed. The compliance plan is underpinned by three core strategies (Education and Awareness, Effective Deterrence and Appropriate Enforcement) and is focussed towards increasing voluntary compliance and maximising effective deterrence.

An analysis of intelligence and information holdings is conducted to identify the major risks for the fishery. A series of strategies, actions, and initiatives are detailed and used to focus the primary compliance effort in order to manage the risks and achieve targeted outcomes.

OBJECTIVES

This program provides a compliance framework to monitor and regulate fishing activities that support the sustainable commercial take of species that are able to be taken pursuant to a Charter licence in accordance with the Act and the Charter Fishery Management Plan.

The plan provides a focus for Fisheries Officers to undertake coordinated compliance activities to educate fishers, deter opportunistic and financially motivated fishery related offences, and enforce the rules and regulations of the fishery.

Any compliance related risks or emerging trends/issues of significance that arise outside the plan are addressed as required.

The risks and strategies are regularly reviewed and assessed for relevance to ensure compliance activities meet the following objectives:

- Meet the objectives of the *Fisheries Management Act 2007*;
- To promote compliance with the *Fisheries Management (Charter Fishery) Regulations 2005*;
- To support meeting the goals and objectives of the Charter Fishery Management Plan;
- To promote increased voluntary compliance;
- To deliver an effective education and awareness program;
- Continue developing effective deterrence strategies;
- Undertake appropriate enforcement activities;
- Increase integrity in fishery management systems and/or quota systems;
- Promote positive interactions & collaboration with stakeholders;
- To deliver an efficient and effective compliance program.

COMPLIANCE EFFORT

- Monitoring of fishing activity, landings and consignments for compliance and integrity;
- Offence identification and response;
- Operational and Investigation Planning and Surveillance;
- Risk assessments, trend and threat analysis;
- Master Operational Planning Process;
- Legislative review for efficacy and relevance;
- Industry liaison and education.

ANTICIPATED OUTCOMES

The principal outcome of this compliance program is to support sustainable management of the Charter fishery by:

- Increased voluntary compliance;
- Continued development of effective deterrence strategies;
- Accurate intelligence and risk predictions;
- Successful enforcement outcomes for repeat or serious offences;
- Development of efficient and cost effective compliance strategies;
- Continued development of stakeholder engagement programs;
- Reduced incidence of reported illegal activity
- Reduced incidence of documentation errors and inconsistencies
- Increased integrity in fishery management systems and/or quota systems
- Increased positive interactions & collaboration with stakeholders

PROGRAM DELIVERY

The Fisheries & Aquaculture Operations Group comprises three Regional Operations teams, an Offshore Patrol Operations team and an Intelligence & Strategic Support team. All contribute to the delivery of the Charter fishery compliance program.

PROGRAM STRATEGIES AND SUPPORTING ACTIONS & INITIATIVES

The compliance program is tailored to the Charter fishery and uses a number of initiatives and actions that fall under the three core strategies of Education & Awareness, Effective Deterrence and Appropriate Enforcement. These initiatives and actions are outlined in the Charter Fishery compliance plan which has been developed in consultation with the industry.

PROGRAM EFFORT ALLOCATION

The level of effort required to deliver the compliance program in accordance with the dedicated plan is reviewed annually taking into account;

- previous effort required to deliver established programs developed over last 10 years
- the identified risks to the fishery and any associated changes
- shifts or changes to the fishery management
- changes to fishing practices
- additional pressures or influences on fishers or the fishery
- intelligence holdings
- trends or change behaviours that required monitoring and/or investigation
- cost effectiveness and identified efficiencies
- any other relevant information required to deliver an effective compliance program to monitor and enforce the rules and regulations for each fishery

PIRSA has continually reviewed the Charter fishery compliance program, gaining efficiencies through intelligence driven and targeted operations, and re-directing compliance effort where necessary to address current and emerging issues and risks.

The table below includes an abbreviated suite of the core activities and initiatives used to manage the risks. The table also includes days allocated to reflect the anticipated split of effort and associated costs.

Strategy/Activities	Days	FTE	Cost (\$)
Education Awareness <ul style="list-style-type: none"> • Provide fishery related compliance advice to all industry stakeholders and potential stakeholders. • Provide electronic distribution of educational material to fishers and licence holders as required. • Ensure all stakeholders understand their respective obligations and the compliance focus for the coming season. • Develop Industry communication & relationship program to facilitate discussion of topics such as subsequent change management process. • Ongoing one on one education during inspections and with new licence holders and masters 	14	0.07	16,906
Effective Deterrence <ul style="list-style-type: none"> • Ensure all aspects of commercial fishing activities are monitored such as inspections of fishing operations including catch at sea and when landed. • Conduct intelligence driven operations and use appropriate enforcement action • Collaborate with other enforcement agencies in order to provide greater reactive and proactive investigative capability • Communication Strategy 	34	0.17	41,057
Enforcement <ul style="list-style-type: none"> • Investigate reports of non-compliance and where appropriate take action • Issue expiations, cautions and court enforced actions. 	12	0.06	14,491
TOTALS	60	0.30	72,453

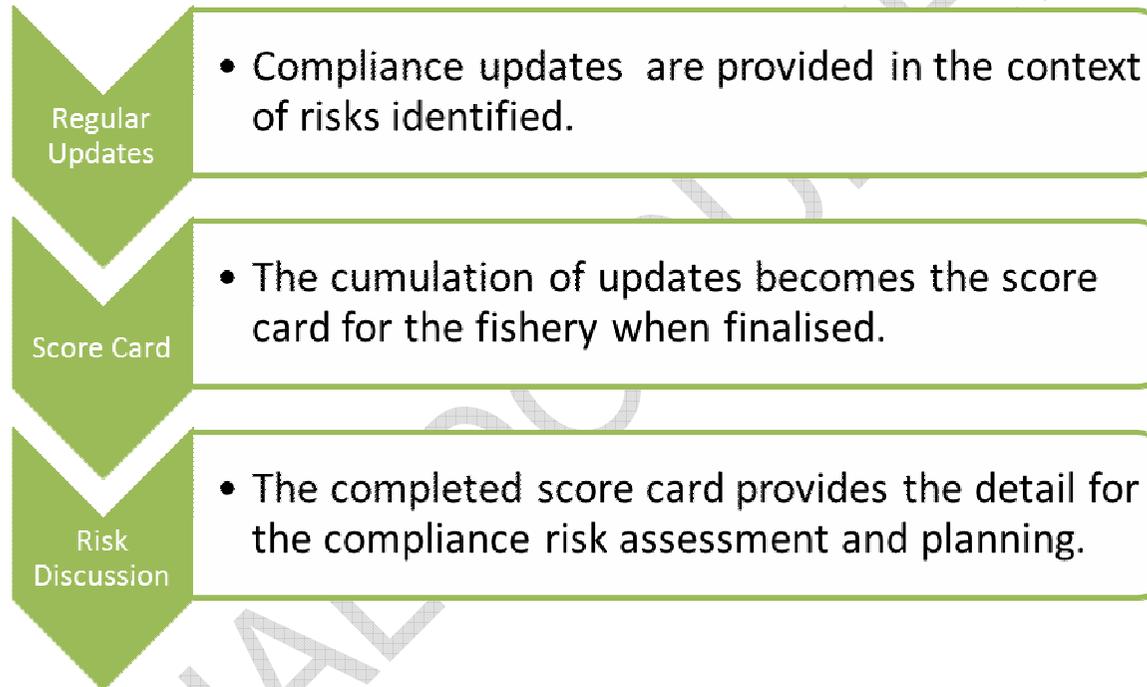
Fisheries Patrol Vessel (FPV) Southern Ranger	Days	Cost (\$)
<p>The offshore patrol vessel FPV Southern Ranger is integral to the overall compliance strategy. It is the only State owned vessel with capability to operate in both inshore and offshore waters and in a broad range of sea and weather conditions.</p> <p>FPV Southern Ranger is important for compliance in the Charter fishery as it provides an effective deterrence in areas traditionally fished by Charter operators, including offshore areas. FPV Southern Ranger conducts targeted and opportune inspections of the Charter fleet to ensure size and limits are being adhered to, vessels are operating outside closure areas and non-permitted species are not being retained.</p>	8	57,289

Please Note; to comply with Work Health & Safety obligations and evidentiary requirements, operational activities are generally required to be undertaken by a minimum of two (2) officers at any time.

All values have been rounded to the nearest dollar figure

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CHARTER FISHERY – 15/16 RISK ASSESSMENT & COMPLIANCE PROGRAM



CHARTER FISHERY RISKS

Take Over Limit	Likelihood: 5	Consequence:2	Risk Rating	MODERATE
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Risk Attribute	<ul style="list-style-type: none"> • Take Over Limit
Legislative & Regulatory Framework	<ul style="list-style-type: none"> • <i>Fisheries Management Act 2007</i> • <i>Fisheries Management (Charter Boat Fishery) Regulations 2005</i> • <i>Fisheries Management (General) Regulations 2007</i> • Charter Boat Fishery Management Plan – Compliance with management arrangements
Implication	<ul style="list-style-type: none"> • Recreational catch that exceed the limits set by regulation can impact on fish stocks through localised depletion and also lead to higher volumes of fish taken from the water than is sustainable
Control Measure	<ul style="list-style-type: none"> • New entrants educated about Charter fishery bag and boat limits • Information about bag limits are clearly communicated through brochures, SMS Fish and PIRSA Intranet • Fish Care Volunteers provide information to the public through ramp and jetty patrols and brochure drops • On land and at sea inspections of catches

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CHARTER FISHERY RISKS

Fish in Closed Season / Area	Likelihood: 5	Consequence:2	Risk Rating	MODERATE
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Risk Attribute	<ul style="list-style-type: none"> • Fish in Closed Season / Area
Legislative & Regulatory Framework	<ul style="list-style-type: none"> • <i>Fisheries Management Act 2007</i> • <i>Fisheries Management (Charter Boat Fishery) Regulations 2005</i> • <i>Fisheries Management (General) Regulations 2007</i> • Charter Boat Fishery Management Plan – Compliance with management arrangements
Implication	<ul style="list-style-type: none"> • Closed seasons and areas (including Snapper Spatial Closure areas) are designated to protect fish species during vulnerable spawning times and events. Take of fish during these events can have a significant effect on fish stocks
Control Measure	<ul style="list-style-type: none"> • New entrants educated about closed seasons and areas • Fish Care Volunteers provide information on closed seasons and areas to the public through ramp and jetty patrols and brochure drops • On land and at sea inspections of catches

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CHARTER FISHERY RISKS

Take Protected / Non-Permitted Species	Likelihood: 5	Consequence:2	Risk Rating	MODERATE
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Risk Attribute	<ul style="list-style-type: none"> • Take of Protected / Non-Permitted Species
Legislative & Regulatory Framework	<ul style="list-style-type: none"> • <i>Fisheries Management Act 2007</i> • <i>Fisheries Management (Charter Boat Fishery) Regulations 2005</i> • <i>Fisheries Management (General) Regulations 2007</i> • Charter Boat Fishery Management Plan – Compliance with management arrangements
Implication	<ul style="list-style-type: none"> • Several species of fish are protected, with some species protected only during vulnerable times such as when they are carrying eggs. Take of fish species that are fully protected can have an adverse impact on the survival of this species • Taking of fish species protected whilst they carry eggs can adversely affect future fish stocks
Control Measure	<ul style="list-style-type: none"> • New entrants educated about protected / non-permitted species • Fish Care Volunteers provide information on protected and non-permitted species to the public through ramp and jetty patrols and brochure drops • On land and at sea inspections of catches

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CHARTER FISHERY RISKS

Illegal Sales	Likelihood: 4	Consequence:3	Risk Rating	MODERATE
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Risk Attribute	<ul style="list-style-type: none"> • Illegal Sales
Legislative & Regulatory Framework	<ul style="list-style-type: none"> • <i>Fisheries Management Act 2007</i> • <i>Fisheries Management (Charter Boat Fishery) Regulations 2005</i> • <i>Fisheries Management (General) Regulations 2007</i> • Charter Boat Fishery Management Plan – Compliance with management arrangements
Implication	<ul style="list-style-type: none"> • On a stand-alone basis, the impact of such enterprises may seem relatively small however at a cumulative state-wide level including unlicensed sale of recreationally caught fish the impact of such activities may pose a significantly higher risk to the long term sustainability to the biomass of certain fish species including King George Whiting and snapper • Risk to viability of licensed commercial fishers and those involved in the fish processing industry
Control Measure	<ul style="list-style-type: none"> • New entrants educated about Charter fishery bag and boat limits • Implement initiatives aimed at changing community attitudes toward illegal sales of recreationally caught fish • Fish Care Volunteers provide information to the public through ramp and jetty patrols and brochure drops • Covert landing inspections • Fish Processor premises inspections • Inspection of clubs, pubs, cafés and restaurants to confirm origins of fish for sale

CHARTER FISHERY RISKS

Unlicensed Charter	Likelihood: 6	Consequence:2	Risk Rating	MODERATE
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Risk Attribute	<ul style="list-style-type: none"> • Charter Fishing by Unlicensed Operators
Legislative & Regulatory Framework	<ul style="list-style-type: none"> • <i>Fisheries Management Act 2007</i> • <i>Fisheries Management (Charter Boat Fishery) Regulations 2005</i> • <i>Fisheries Management (General) Regulations 2007</i> • Charter Boat Fishery Management Plan – Compliance with management arrangements
Implication	<ul style="list-style-type: none"> • This type of offending has a direct and adverse impact on Charter Fisheries License holders as part of their market is being captured by unlicensed operators
Control Measure	<ul style="list-style-type: none"> • Identify and Investigate unlicensed fishing charter operators

FINAL DOCUMENT

CHARTER FISHERY RISKS

OTHER	Compliance risks identified within the fishery that may occur which will be addressed as they are detected
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Risk Attribute	<ul style="list-style-type: none"> • Take Undersize / Oversize
Legislative & Regulatory Framework	<ul style="list-style-type: none"> • <i>Fisheries Management Act 2007</i> • <i>Fisheries Management (Charter Boat Fishery) Regulations 2005</i> • <i>Fisheries Management (General) Regulations 2007</i> • Charter Boat Fishery Management Plan – Compliance with management arrangements
Implication	<ul style="list-style-type: none"> • Minimum and maximum size limits are in place to ensure the respective specie’s ability to breed at least once is not compromised and also to ensure to ensure sufficient breeding fish remain in the system at any time thereafter
Control Measure	<ul style="list-style-type: none"> • New entrants educated about size limits • Information about bag limits are clearly communicated through brochures, SMS Fish and PIRSA Intranet • Fish Care Volunteers provide information to the public through ramp and jetty patrols and brochure drops • On Land and at sea inspections of catches
Others Risks:	<ul style="list-style-type: none"> • Fishing with too many agents • Master or vessel not endorsed on licence • Illegal gear, illegal use of gear, interference with gear • Inconsistent understanding of legislated and regulatory obligations by commercial operators • Closure of lines of communication between PIRSA / Industry • Failure to lodge SARDI catch and effort returns • Inaccurate or misleading reporting of catch location and volume on SARDI Returns • Assist / provide services to other agencies (i.e. SAPOL, threats at sea among Industry)

		CONSEQUENCES					
		NEGLIGIBLE	MINOR	MODERATE	SEVERE	MAJOR	CATASTROPHIC
		0	1	2	3	4	5
LIKELIHOOD	REMOTE	1					
	RARE	2					
	UNLIKELY	3					
	POSSIBLE	4			Illegal Sales (12)		
	OCCASIONAL	5		Exceed Bag Limit / Take Undersize (10) Fish in Closed Seasons (10) Take of Protected / Non-Permitted Species / Fishing in closed area's (10)			
	LIKELY	6		Charter Fishing by Unlicensed Operators (12)			
	LIKELIHOOD DEFINITIONS				CONSEQUENCE DEFINITION		
LIKELY	It is expected to occur			CATASTROPHIC	Local extinctions are imminent / immediate		
OCCASIONAL	May occur			MAJOR	Likely to cause local extinctions, if continued in longer term		
POSSIBLE	Some evidence to suggest this is possible here			SEVERE	Affecting recruitment levels of stocks / or their capacity to increase		
UNLIKELY	Uncommon, but has been known to occur elsewhere			MODERATE	Full exploitation rate, but long term recruitment / dynamics not adversely impacted		
RARE	May occur in exceptional circumstances			MINOR	Possibly detectable, but minimal impact on population size and none on dynamics		
REMOTE	Never heard of but not impossible			NEGLIGIBLE	Insignificant impacts to population. Unlikely to be measurable against background variability for this population		
RISK RATING							
Negligible		Low		Moderate		High	Extreme

PROGRAM: STOCK ASSESSMENT AND MONITORING

SCHEDULE 1 - PROJECT SCOPE

1. PROJECT DETAIL

1.1 Title Charter Boat Fishery Data Entry and Reporting

1.2 Client Contact Details

Name: PIRSA Fisheries and Aquaculture
Address: Level 14, 25 Grenfell St, Adelaide 5000
Attention: Sean Sloan
Email: Sean.Sloan@sa.gov.au
Telephone: 0411 147 834
Facsimile:

1.3 Principal Investigator

Name: Angelo Tsolos
Position: Manager Information Services
Address: SAASC
Email: angelo.tsolos@sa.gov.au
Telephone: 8207 5414
Facsimile: 8207 5415

1.4 Timeframe

Commencement Date: 01/07/2015
Completion Date: 30/06/2016

1.5 Summary

The Charter Boat fishery commenced operation on 01/08/2005. SARDI Aquatic Sciences has been designated the responsibility to collect, collate, enter, and report on the catch and effort information associated with this fishery to PIRSA Fisheries.

There is a requirement to provide status reports in October of each year and a comprehensive report in March every 3 years that synthesises the previous 3 years data.

2. PROJECT DESCRIPTION

2.1 BACKGROUND

The SA Charter Boat fishery was established in 2005. Since establishment, SARDI have designed a logbook program and deliver status and tri-ennial comprehensive reports for PIRSA Fisheries and Aquaculture. This is consistent with the *Fisheries Management (Charter Boat Fishery) Regulations 2005*.

2.2 NEED

This project addresses the need for scientific information to support the sustainability of the charter boat fishery in South Australia as identified in the Management Plan for the fishery.

2.3 OBJECTIVES

2.3.1 To collect, process, collate, enter and validate Charter Boat Fishery log book returns.

2.3.2 Provide status report on Charter Boat Fishery operations.

2.3.3 Respond to ad-hoc queries as required.

2.4 METHODS

- Collect and collate Charter Boat Fishery log book returns.
- Follow up on incomplete and not received returns.
- Enter and validate data following quality assurance processes.

3. DELIVERABLES

3.1 Service Provided: Collect, process, collate, enter, and report on the catch and effort information associated with the fishery.

3.2 Outcomes: Information is entered in a timely manner which facilitates the management and research of the fishery, and assists fisheries managers and research scientist in the decision making process.

3.3 Outputs and Extension:

Confidential and non-confidential catch and effort status reports are delivered to PIRSA Fisheries and Aquaculture in October 2015. A comprehensive report is due in May 2016.

4. FUNDING ARRANGEMENTS

4.1 PROJECT COSTING POLICY

This Research Project Scope and Costing has been costed at a Discounted rate.

4.2 PROJECT COST

PROJECT COST	TOTAL \$ (ex GST)
SUBTOTAL	63,970
GST	NO GST
TOTAL	63,970

4.3 MILESTONE AND PAYMENT SCHEDULE

Date	Milestone	Payment (\$) Ex GST
31 October 2015	Status Report on Charter Boat Fishery Operations	
31 December 2015	Half yearly payment.	31,985
31 May 2016	SA Charter Boat Fishery Report	
31 May 2016	Half yearly payment.	31,985
SUBTOTAL		63,970
GST		NO GST
TOTAL COST		63,970

5. PROJECT STAFF

Staff	Position	FTE Commitment 2015/16	Funded/ In-Kind
M Boyle	Senior Information Services Officer	0.30	Funded
A Tsolos	Manager – Information Services	0.10	Funded
TOTAL		0.40	

SCHEDULE 2 - PROJECT COSTING

1. PROJECT COST SUMMARY

Cost	Detail	2015/16 Total (\$) Ex GST
Salaries	0.40fte	35,028
Operating		
Logbook program		3,300
Payment to industry for surveys		0
Fieldwork		0
Laboratory		0
Travel		200
Office & communication		0
Capital equipment		0
SARDI overhead		25,442
SARDI in-kind		18,220
Total Cost		82,190
Revenue – PRICE		
PIRSA F&A	77%	63,970
Total Revenue		63,970
SARDI Investment	23%	18,220

Breakdown explanations:

Logbook Program

Entry, validation, management and reporting of data

Payment to industry for surveys

Direct costs of using industry vessels and staff to undertake surveys

Fieldwork

Fieldwork costs including vessels, travel and OHS requirements

Laboratory

Costs for processing samples

Travel

Costs for attending meetings with industry, PIRSA F&A and stakeholders

Office and communication

Stationary, communications and publications

Capital equipment