

PIRSA Fisheries & Aquaculture Cost Recovery Program

MISCELLANEOUS FISHERY (GIANT CRAB)

FOR THE YEAR ENDING AT 30 JUNE 2019



Table of Contents

Summary Table	3
Program Daily Charge Out Rate.....	4
Introduction.....	5
Management Objectives 2016/17 to 2018/19	6
Fisheries Policy and Management Program.....	7
Leasing and Licensing Program	10
Compliance Operations Program	13
Stock Assessment and Monitoring Program.....	17

Information current as of November 2017

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Summary Table Miscellaneous Fishery – Giant Crab

2017-18 (\$)	PROGRAM AREA	2018-19 (\$)	COMMENTS	DAYS	FTE
RESEARCH COSTS					
12,617	Stock Assessment and Monitoring	12,161	As per one-year SARDI project scope.		
PIRSA RELATED COSTS					
13,875	Policy and Management	14,175	Same level of service as previous year	15	0.08
14,688	Compliance	15,012	Same level of service as previous year	12	0.06
3,070	Quota Monitoring	3,140	Same level of service as previous year	5	0.03
44,250	TOTAL	44,488			

Licence Fees 2018-19 (\$)	
Misc Base Fee (includes \$900 for VMS)	5,477
Unit Fee	22.90
<i>Licence Fees 2017-18 (\$)</i>	
<i>Misc Base Fee (includes \$900 for VMS)</i>	5,349
<i>Unit Fee</i>	22.15

* Indexation rate of 2.2% has been applied to 'PIRSA Related Costs', which is consistent with the rate applied to the 2017-18 regulated fees and charges process.

Program Daily Charge Out Rate

DAILY RATE (\$)	Compliance	Quota	Policy
Total Employee Expenses	622	373	595
Total Operating Expenses	332	62	153
Deprecation and Capital Costs	79	4	0
Total Other Expenses*	217	189	197
TOTAL DAILY RATE	1,251	628	945

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

Management Objectives 2016/17 to 2018/19

Long term objectives	Outcomes 2016/17 to 2018/19	Policy and Management	Compliance	Assessment and Research	Systems and Information
Ensure sustainability of the fishery	Stock maintenance	Lead development and implementation of management policy for the Giant Crab fishery, including review of performance indicators & licence transferability.	Implement compliance program, informed by risk assessment Support development of management policy, as required	Provide annual advice note or fishery stock status report to inform TACC setting Support development of management policy, as required, including provision of advice on performance indicators and reference points for the fishery	Provide ongoing support for licensing and quota queries Support development of management policy, as required Support implementation of e-catch reporting arrangements
Minimise impacts on the environment	Monitor and manage TEPS interactions, as required	Determine annual TACC Review fishery logbooks Monitor TEPS interactions for fishery		Review fishery logbooks, including collection of additional soak time data	
Cost effective and participative management of the fishery	Effective engagement with industry	Maintain communication and liaison with industry - major quota holders and rock lobster licence holders, as appropriate Support implementation of e-catch reporting arrangements		Support implementation of e-catch reporting arrangements Produce TEPS report (all fisheries)	

Fisheries Policy and Management Program

MISCELLANEOUS FISHERY (GIANT CRAB)
FOR THE YEAR ENDING AT 30 JUNE 2019

All enquiries

Program Manager

Jon Presser, General Manager Fisheries Policy and Management Unit
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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 Deputy Chief Executive on matters relating to fisheries.
- Represent the Executive Director, Fisheries & Aquaculture 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 the Giant Crab 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 and divers.
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

- Provision of clear instructions for complex legal drafting or compilation of drafts of simple legislative instruments in consultation with the legal manager as necessary for the management of the Giant Crab 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 Giant Crab Fishery
- Prepare policies to support fisheries management
- Prepare submissions to enable regular assessment of the Giant Crab Fishery under the EPBC Act
- Prepare annual report to the Australian Government on EPBC Act requirements for the Giant Crab fisheries
- 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 policy. Management policy 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.
4. Setting of TACC for Giant Crab Fishery

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 (\$)
Policy and Management	15	0.08	14,175

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

Leasing and Licensing Program

MISCELLANEOUS FISHERY (GIANT CRAB)

FOR THE YEAR ENDING AT 30 JUNE 2019

All enquiries

Program Manager

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Program summary

The fisheries leasing & licensing unit within PIRSA Fisheries & Aquaculture is responsible for the management of licensing and quota monitoring 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 reports as required.

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 invoices.
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 Deputy Chief Executive, Fisheries and Aquaculture and the Executive Director, Fisheries and Aquaculture.
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.
6. Generate quota management reports to update stakeholders on varying Total Allowable Commercial Catch (TACC) returns and end of season quota holdings.

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 (\$)
Quota Monitoring	5	0.03	3,140

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

Fisheries Compliance Operations Program

MISCELLANEOUS FISHERY (GIANT CRAB)

FOR THE YEAR ENDING AT 30 JUNE 2019

All enquiries

Program Manager

Peter Dietman

Director Operations, Fisheries & Aquaculture

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Compliance Program Summary

The Fisheries & Aquaculture Operations Group is comprised of the Regional Operations teams, Offshore Patrol Operations and the Intelligence & Strategic Support teams. The complementary teams undertake compliance activities to educate fishers, deter opportunistic and financially motivated fishery related crimes, and enforce rules and regulations.

Each Fishery has a dedicated coordination team assigned consisting of a State Coordinator, Regional Coordinators, Policy Manager, and the SARDI Program leader for the fishery. The coordination team is also supported by timely and accurate intelligence briefings from the Intelligence & Strategic Support Team.

In consultation with the fishery industry representatives a dedicated Compliance Plan has been developed for each fishery. Each Compliance Plan is developed to ensure compliance activities with the fishery are intelligence driven, cost effective and efficient and outcome focused. The three core strategies in order of priority (Education and Awareness, Effective Deterrence and Appropriate Enforcement) are directed at increasing voluntary compliance and maximising effective deterrence.

Following the consultation process and a detailed analysis of all intelligence and information to hand the major risks have been identified, prioritised and rated for each fishery specific plan. The resulting plan itemises a series of strategies, actions, and initiatives aimed at achieving the targeted outcomes. In addition, any other risks will be addressed outside of the planned program as the need arises. The risks and strategies to address them are constantly reviewed and assessed for relevance. Contingency plans are in place to address any emerging trend or issues where intelligence received or changes in circumstances within the fishery require attention in addition to monitoring all the rules and requirements of each fishery

The level of effort required to deliver the compliance program in accordance with the dedicated plan is also 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

Activity, effort and outcomes are collated and reported against each of the identified fishery specific risks and strategies.

Activities

- Monitoring of all fishery management and quota systems for compliance
- 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
- Prosecution system maintenance and development
- Prosecution Steering Committee coordination and assessment
- Industry liaison and education

Outputs

- Delivery of Actions and Initiatives against Compliance Plan
- Educational material
- Induction & Pre-season information packages
- Intelligence driven operations and investigations
- On land and at sea inspections
- Engagement with fishers and attendance at industry meetings
- Cautions, Expiations and Prosecutions
- Intelligence briefings and target packages
- Consultative Industry initiatives and planning
- Engagement and participation in Rules & Gear Reviews
- Continued development of cost effective and efficient fishery specific compliance plans
- Quarterly or bi-annual compliance activity reports
- Annual fishery compliance outcomes and scorecard

Performance Indicators

- Increased voluntary compliance
- Continued development of effective deterrence strategies
- Accurate intelligence and risk predictions
- Successful court outcomes for 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

The dedicated Fishery Compliance Plan for this fishery outlining each of the risks and strategies, actions and initiatives to address those risks is attached hereto.

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 (\$)
Compliance	12	0.06	15,012

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.

Stock Assessment and Monitoring Program

MISCELLANEOUS FISHERY (GIANT CRAB)

FOR THE YEAR ENDING AT 30 JUNE 2019

All enquiries

Client Contact Details

Sean Sloan

A/Executive Director PIRSA Fisheries & Aquaculture

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Principal Investigator

Prof Gavin Begg

Research Chief, SARDI Aquatic Sciences

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SCHEDULE 1 - RESEARCH PROJECT SCOPE

1. PROJECT DETAIL

1.1 Title Giant Crab Fishery

1.2 Client Contact Details

Name: PIRSA FISHERIES AND AQUACULTURE
Address: GPO Box 1625, Adelaide, SA 5001
Attention: Sean Sloan
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Facsimile: 8226 0434

1.3 SARDI Contact Details

Name: Prof Gavin Begg
Position: Research Chief
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Email: Gavin.Begg@sa.gov.au
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Facsimile: 8207 5406

1.4 Subcontractor/Collaborator

Not applicable

1.5 Timeframe

Commencement Date: 1 July 2018
Completion Date: 30 June 2019

1.6 Summary

This scope of work will provide PIRSA Fisheries and Aquaculture with the information required for the ecologically sustainable management of the Giant Crab Fishery in South Australia. The primary output is a status report that will be provided to PIRSA by 28 February 2019.

2. PROJECT DESCRIPTION

2.1 BACKGROUND

Giant Crabs (*Pseudocarcinus gigas*) are endemic to southern Australian waters and distributed from southern Western Australia to central New South Wales. While they occur at depths ranging from 20m to 600m, the highest population densities are found at the edge of the continental shelf at a depth of approximately 200m. Historically, Giant Crabs have been taken as a bi-product of rock lobster fishing operations in southern Australia for over 80 years. Targeted commercial fishing for Giant Crabs was

initiated in Tasmanian waters in 1990 and began in South Australian waters in 1992. Most of this catch is exported to Southeast Asia in live, pickled, green (uncooked) or cooked form.

2.2 NEED

Since 1999, the export of Giant Crab has been controlled under the wildlife protection provisions of the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999 (the EPBC Act)*. To gain export exemption status under the *EPBC Act* (Part 13 and 13A), PIRSA Fisheries and Aquaculture need to implement the conditions and recommendations resulting from the Ecological Assessment undertaken by the Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC). The Fishery was assessed in 2009 (PIRSA 2009). Recommendations within Table 4 of the report relate to PIRSA Fisheries and Aquaculture reviewing and refining as necessary the performance indicators and reference points used in the fishery. This review was undertaken in 2016/17 in consultation with PIRSA Fisheries and Aquaculture. Following the findings of the review, this SLA will assess the stock status of the South Australian Giant Crab Fishery based on data up to and including the 2017/18 fishing season using the revised assessment framework.

2.3 OBJECTIVES

2.3.1 To provide PIRSA with a status report by 28 February 2019.

2.3.2 To provide PIRSA with ongoing and *ad hoc* advice relating to the Giant Crab fishery.

2.4 METHODS

Available data for the 1999/00 to 2016/17 fishing seasons will be used to assess the stock status of the South Australian Giant Crab stock. Historical trends in the measures of each performance indicator will be assessed to determine current stock status.

3. DELIVERABLES

3.1 Service Provided:

3.1.1 Collection of basic fisheries statistics

Continued management of a fishery logbook program.

Collate fishing logbook returns and provide a secure and in-confidence service.

Validate returns (consultation with fishers to correct errors).

Enter and store data.

3.1.2 Analysis and interpretation

Analyse catch and effort data.

Determine stock status based on performance indicators reviewed and refined during 2016/17.

3.1.3 Project management

Supervise project, manage deliverables and milestones.

Produce a stock status report

3.2 Outcomes:

Advice to inform future management arrangements for the South Australian Giant Crab fishery.

3.3 Outputs and Extension:

A Status Report that details the stock status of the South Australian Giant Crab fishery. Presentations to Fisheries and Aquaculture.

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 FUNDED	TOTAL IN KIND	TOTAL PROJECT COST
SUBTOTAL	12,161	1,766	13,927
GST	NO GST	NO GST	NO GST
TOTAL	12,161	1,766	13,927

4.3 MILESTONE AND PAYMENT SCHEDULE

Date	Milestone	Payment (\$) Ex GST
31 December 2018	Payment 1 of 2018/19 SLA	6,080
28 February 2019	Status Report delivery	
31 May 2019	Payment 2 of 2018/19 SLA	6,081
SUBTOTAL		12,161
GST		NO GST
TOTAL FUNDED		12,161

5. PROJECT STAFF

Staff	FTE 2018/19
Research Scientist	0.05
TOTAL	0.05

SCHEDULE 2 - RESEARCH PROJECT COSTING

1. PROJECT COST SUMMARY

Cost	Detail	2018/19 Total (\$) Ex GST
Salaries (FTE)	0.04	
Salaries (\$)		5,522
Operating		
Logbook program		2,283
Payment to industry for surveys		
Fieldwork		
Laboratory		
Travel		500
Office & communication		1000
Capital equipment		
SARDI overhead		2,856
SARDI inkind		1,766
Total Cost		13,927
Revenue – PRICE		
PIRSA F&A	0.82	12,161
Total Revenue		12,161
SARDI Investment	0.18	1,766

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

Stationery, communications and publications

Capital equipment