

PIRSA

Cost Recovery Implementation Statement for the Miscellaneous Fishery (Giant Crab)

1 July 2022 to 30 June 2023



Government
of South Australia
Department of Primary
Industries and Regions

Cost Recovery Implementation Statement

Information current as of February 2022
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Introduction

Wild catch commercial fisheries in South Australia are managed in accordance with the Department of Primary Industries and Regions (PIRSA) Cost Recovery Policy. This policy requires commercial fishery licence fees to fund services related to commercial fisheries management costs. PIRSA Fisheries and 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 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.

Consistent with Principle 7 of the PIRSA Cost Recovery Policy, an annual schedule of meetings for stakeholder engagement and support for the cost recovery process in relation to commercial fisheries is outlined below:

Annual schedule of meetings		
Date	Activity	Parties
Sept/Oct	Review long-term objectives for fishery and update if necessary. Identify priority outcomes for upcoming financial year.	PIRSA
October	Develop policy, research and compliance work programs in readiness for discussions (fisheries managers with industry) in November.	PIRSA
November	Discuss proposed programs consult with wider industry.	PIRSA
February	Formal meetings with industry, where required, to finalise work programs and summarise costs.	PIRSA
March	Submit proposed licence fees to Minister. Prepare Ministerial Notice briefing to vary and prescribe lease and licence fees for the next financial year.	PIRSA and government agencies
June	Invoices sent for annual licence fees.	PIRSA

Summary Table

2021-22 (\$)	PROGRAM AREA	2022-23 (\$)	COMMENTS	DAYS	FTE
RESEARCH COSTS					
14,731	Stock Assessment and Monitoring	15,333	Year 4 of 4 year research project scope		
PIRSA RELATED COSTS *					
12,870	Fisheries Management	13,125	Same level of service as previous year	15	0.08
15,012	Compliance	15,312	Same level of service as previous year	12	0.06
4,240	Quota Monitoring	4,325	Same level of service as previous year	5	0.03
46,853	TOTAL	\$48,095			

Licence Fees 2022-23 (\$)	
Misc Base Fee (includes \$918 for VMS)	\$6,640
Unit Fee	\$24.50
Licence Fees 2021-22 (\$)	
Misc Base Fee (includes \$900 for VMS)	6,510
Unit Fee	23.90

Program Daily Charge Out Rate 2022-23

	DAILY RATE (\$)		
	Compliance	Quota	Fisheries Management
Total Employee Expenses	653	432	634
Total Operating Expenses	325	128	100
Deprecation and Capital Costs	70	0	0
Total Other Expenses*	227	305	141
TOTAL DAILY RATE	1,276	865	875

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.

Fishery Management Objectives

Long term objectives	Outcomes	Fisheries Management	Compliance	Assessment and Research	Systems and Information
Giant Crab resources in South Australia are harvested within sustainable limits.	Stock Maintenance.	Determine annual TACC. Monitor TEPS interactions for fishery.	Implement compliance program, informed by risk assessment.	Provide annual advice note to inform TACC setting.	Provide ongoing support for licensing and quota queries.
Optimum utilisation and equitable distribution.	Optimum economic performance within biologically sustainable limits.	Maintain communication and liaison with industry - major quota holders and rock lobster licence holders, as appropriate.	Support development of management policy, as required.	Provide an annual fishery stock status report. Support implementation of e-catch reporting arrangements as required	Support implementation of e-catch reporting arrangements as required.
Protect and conserve aquatic resources, habitats and ecosystems.	Monitor and manage TEPS interactions, as required.	Support continued implementation of e-catch reporting arrangements as appropriate.		Produce TEPS report (all fisheries).	
Cost effective and participative management of the fishery.	Effective engagement with industry.	Communicate with other Fisheries Management Agencies in other jurisdictions related to monitoring of Southern Australia Giant Crab stock as necessary.		Communicate with other Fisheries Research bodies in other jurisdictions related to monitoring of Southern Australia Giant Crab stock as necessary.	

Fisheries Management Program

Program Manager:

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Program summary

The Fisheries Management Unit of PIRSA Fisheries and 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 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 Primary Industries and Regional Development and the Chief Executive on matters relating to fisheries.
- Represent the Executive Director, Fisheries and Aquaculture 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.
- Investigate legislative mechanisms to enable licence transferability.
- 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 (1999) 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 Management Program.

Program strategies and supporting actions and initiatives

Anticipated outcomes

1. 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).

2. Provide advice to the Minister or his/her delegate on setting total allowable commercial catch and effort levels for the Giant Crab Fishery.
3. Prepare policies to support fisheries management.
4. Prepare submissions to enable regular assessment of the Giant Crab Fishery under the EPBC Act (1999).
5. Prepare annual report to the Australian Government on EPBC Act (1999) requirements for the Giant Crab fisheries.
6. Prepare regular fisheries status reports.
7. Develop and maintain day-to-day productive working relationships and outcomes through cooperative management and collaboration with stakeholders.
8. 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.
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.

Activity	Days	FTE	Cost (\$)
Fisheries Management	15	0.08	13,125

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

	Deliverables	Due date
1.	Participate in inter and intra-departmental meetings and workshops on issues relevant to fisheries management as required.	Ongoing
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.	Ongoing
3.	Liaise within PIRSA, with other government agencies and with industry representatives in implementing decisions relevant to fisheries management.	Ongoing
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.	August 2022
5.	Coordinate consultation with fishery stakeholders through established relationships with key stakeholders	Ongoing
6.	Participate in industry liaison where practicable to strengthen fishery management knowledge and understanding and develop rapport with licence holders.	Ongoing
7.	Participate in industry development initiatives related to fisheries management.	Ongoing
8.	Attending to general correspondence and enquiries relevant to fisheries.	Ongoing
9.	Provide advice to the Minister in relation to the management of fisheries and Ministerial correspondence.	Ongoing
10.	Communicate on fisheries management issues to key stakeholder groups and the broader community.	Ongoing

Leasing and Licensing Program

Program Manager:

Natasha Read, General Manager Regulatory and Business Services

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Program summary

The fisheries leasing and licensing unit within PIRSA Fisheries and 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 and 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

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.

Activity	Days	FTE	Cost (\$)
Quota Monitoring	5	0.03	4,325

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

	Deliverables	Due date
	Services to directly support the fishery	
1.	Issue and maintain fishery licences.	Ongoing
2.	Database management for licence and licence holder information.	Ongoing
3.	Quota monitoring	Ongoing
4.	Collect licence fees and associated payments.	Ongoing
5.	Compose and send quarterly instalment notices.	Ongoing
6.	Record and track unpaid invoices.	Ongoing
7.	Compose and send late payment instalment notices for un-paid quarterly instalments.	Ongoing
8.	Draft and issue notices to Fishers.	Ongoing
9.	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 licensing and quota, application for licence transfers, boat changes, gear enquiries and fishing regulations.	Ongoing
10.	Regularly update information about licence holders.	Ongoing
11.	Research and prepare documents for public record.	Ongoing
12.	Liaise with government stakeholders to verify the credentials of fishers.	Ongoing
13.	Liaise with PIRSA Fisheries and Aquaculture, SARDI Aquatic Sciences, Crown Solicitors and other state and local agencies on matters relevant to the fishery.	Ongoing
14.	Draft and update licence conditions over the duration of the licensing year as determined by the Executive Director, Fisheries and Aquaculture.	Ongoing
15.	Provide information to licence holders relating to the requirements pursuant to licence administration.	Ongoing
16.	Manage calls from fishers regarding late payment notices, fees and general enquiries about their licences.	Ongoing
17.	Provide support regarding an increased frequency of last minute administrative enquiries from fishers. e.g. master changes, boat variations as well as provide advice and support to fishers on licence information, to complete the required forms.	Ongoing
	Services to support fisheries management	

1.	Participate in inter and intra departmental meetings and workshops on issues relevant to the fishing industry.	Ongoing
2.	Liaise with relevant staff within PIRSA Aquaculture and Fisheries in implementing decisions relevant to the fishery.	Ongoing
3.	Interrogate the PIIMS database to extract information for other stakeholders to use in preparing reports.	Ongoing
4.	Prepare reports requested by internal and external customers including maintenance of a public register of licence holders.	Ongoing
5.	Liaise with information technology providers to maintain PIIMS and administer licensing requests.	Ongoing
6.	Generate quota management reports to update stakeholders on varying Total Allowable Commercial Catch (TACC) returns and end of season quota holdings.	Ongoing

Fisheries Compliance Operations Program

Program Manager:

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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.

A dedicated Compliance Plan has been developed for each fishery. Each Compliance Plan is developed to ensure compliance activities within 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 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 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.
- Intelligence driven operations and investigations.
- On land and at sea inspections.
- Engagement with fishers and attendance at meetings.
- Cautions, Expiations and Prosecutions.
- Intelligence briefings and target packages.
- Consultative Industry initiatives and planning.
- Continued development of cost effective and efficient fishery specific compliance plans.
- 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 and collaboration with stakeholders.

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.

Activity	Days	FTE	Cost (\$)
Compliance	12	0.06	15,312

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

Deliverables

In line with the annual performance report the compliance deliverables will be presented separately.

Stock Assessment and Monitoring Program

Fisheries and Aquaculture Contact Person:

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SARDI Contact Person:

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1. Project details

1.1 Title

Giant Crab Fishery

1.2 Subcontractor/Collaborator

Not applicable

1.3 Timeframe

Commencement Date: 1 July 2019

Completion Date: 30 June 2023

1.4 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 (2020, 2021, 2022, 2023).

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 by-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

The provision of accurate information on Giant Crab stocks is critical to ongoing management strategies for the sustainable harvesting of the resource. Data obtained from this annual assessment will provide PIRSA with the capacity to monitor the ongoing performance of the fishery and initiate, where necessary, adaptive management strategies in a timely manner. A review was undertaken in 2016/17 in consultation with PIRSA Fisheries and Aquaculture to refine the performance indicators and reference points used in the fishery. Following the findings of the review, as well development of a new management policy for the fishery, this SLA will assess the stock status of the South Australian Giant Crab Fishery in each of the 2018/19, 2019/20, 2020/21, 2021/22, seasons using the revised assessment framework.

2.3 Objectives

- 2.3.1 To provide PIRSA with a status report by 28 February (2020, 2021, 2022, 2023).
- 2.3.2 To provide PIRSA with an Advice Note on the commercial CPUE by 15 August (2019, 2020, 2021, 2022).
- 2.3.3 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 2021/2022 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

The key deliverables of the 2021/22 GCF stock assessment and monitoring program are tabulated below; additional work related to the core program is also identified:

Funding Source	Deliverable	Due Date
This SLA	Advice Note – commercial CPUE delivered	15 August 2022
This SLA	Status report delivered	28 February 2023
FRDC	Project continuation: Giant Crab enhanced data collection – innovative approaches to enhance data collection in the Victorian, South Australian and Tasmanian Giant Crab fisheries (FRDC project 2019/114; Principal Investigator: Toby Jeavons).	30 June 2023
FRDC	Project continuation: Evaluation of a smart-phone application to collect recreational fishing catch estimates, including an assessment against an independent probability based survey, using South Australia as a case study (FRDC project 2020/056; Principal Investigator: Dr CVrystal Beckmann).	30 June 2023

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.

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 and commercial fishers as required.
- Advice Notes on the commercial CPUE.

4. Funding arrangements

4.1 Project costing policy

This four-year research program Scope and Costing has been costed at a Discounted rate.

4.2 Project cost

Total Project Cost	Total Funded	Total In-Kind	Total Project Cost
SUBTOTAL	\$58,523	\$8,704	\$67,227
GST	No GST	No GST	No GST
TOTAL	\$58,523	\$8,704	\$67,227

4.3 Milestone and payment schedule

Date	Milestone	Payment (\$) Ex GST
1 September 2019	Advice Note – commercial CPUE	
31 December 2019	Payment 1 of 2019/20 SLA	\$7,036
28 February 2020	Status Report	
31 May 2020	Payment 2 of 2019/20 SLA	\$7,036
15 August 2020	Advice Note – commercial CPUE	
31 December 2020	Payment 1 of 2020/21 SLA	\$7,193
28 February 2021	Status Report	
31 May 2021	Payment 2 of 2020/21 SLA	\$7,194
15 August 2021	Advice Note – commercial CPUE	
31 December 2021	Payment 1 of 2021/22 SLA	\$7,365
28 February 2022	Status Report	
31 May 2022	Payment 2 of 2021/22 SLA	\$7,366
15 August 2022	Advice Note – commercial CPUE	
31 December 2022	Payment 1 of 2022/23 SLA	\$7,666
28 February 2023	Status Report	
31 May 2023	Payment 2 of 2022/23 SLA	\$7,667
SUBTOTAL		\$58,523
GST		NO GST
TOTAL FUNDED		\$58,523

5. Project staff

Staff	2019/20 FTE	2020/21 FTE	2021/22 FTE	2022/23 FTE
Research Scientist	0.05	0.05	0.05	0.05
TOTAL	0.05	0.05	0.05	0.05

6. Project cost summary

Cost	2019/20 Total (\$) Ex GST	2020/21 Total (\$) Ex GST	2021/22 Total (\$) Ex GST	2022/23 Total (\$) Ex GST
Salaries (FTE)	0.05	0.05	0.05	0.05
Salaries (\$)	6,686	6,842	7,020	7,458
Operating				
Logbook program (\$)	2,233	2,300	2,369	2,440
Payment to industry for surveys (\$)				
Fieldwork (\$)				
Laboratory (\$)				
Travel (\$)	500	500	500	500
Office & communication (\$)	1,000	1,000	1,000	1,000
Capital equipment (\$)				
SARDI overhead (\$)	3,653	3,745	3,842	3,935
SARDI in-kind (\$)	2,096	2,149	2,202	2,257
Total Cost (\$)	16,168	16,536	16,933	17,590
Revenue – PRICE				
PIRSA F&A (\$)	14,072	14,387	14,731	15,333
Total Revenue (\$)	14,072	14,387	14,731	15,333
SARDI Investment (\$)	2,096	2,149	2,202	2,257

Explanation of costs above:

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 Fisheries and Aquaculture and stakeholders

Office and communication - Stationery, communications and publications

SARDI Overhead - Indirect costs that cannot be directly attributed to a specific business activity, product, or service

SARDI in kind – SARDI investment through supporting costs for specific equipment, capital depreciation, infrastructure and research facilities



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