PIRSA FISHERIES & AQUACULTURE

COST RECOVERY PROGRAM

2013-14

PIPI FISHERY &

NET SECTOR

(LAKES AND COORONG)
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<table>
<thead>
<tr>
<th>PIPI 2012/13 $</th>
<th>LAKES &amp; COORONG 2012/13 $</th>
<th>PROGRAM</th>
<th>PIPI 2013/14 $</th>
<th>LAKES &amp; COORONG 2013/14 $</th>
<th>COMMENTS</th>
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<tbody>
<tr>
<td><strong>ASSESSMENT COSTS</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>146,368</td>
<td>139,184</td>
<td>Stock Assessment and Monitoring</td>
<td>151,363</td>
<td>142,935</td>
<td>As per SARDI scoping documents</td>
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<tr>
<td>0</td>
<td>6,378</td>
<td>Economic Assessment</td>
<td>0</td>
<td>6,569</td>
<td>As per Economic research contract</td>
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<tr>
<td>0</td>
<td>1,179</td>
<td>TEPS</td>
<td>0</td>
<td>1,231</td>
<td>TEPS contribution</td>
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<td><strong>PIRSA RELATED COSTS</strong></td>
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<tr>
<td>34,782</td>
<td>34,782</td>
<td>Policy and management</td>
<td>34,789</td>
<td>34,789</td>
<td>Same level of services as last year</td>
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<tr>
<td>4,324</td>
<td>4,324</td>
<td>Legislation</td>
<td>4,190</td>
<td>4,190</td>
<td>Same level of services as last year</td>
</tr>
<tr>
<td>5,292</td>
<td>5,292</td>
<td>Licensing</td>
<td>5,319</td>
<td>5,319</td>
<td>Same level of services as last year</td>
</tr>
<tr>
<td>1,939</td>
<td>1,939</td>
<td>Directorate</td>
<td>1,965</td>
<td>1,965</td>
<td>Same level of services as last year</td>
</tr>
<tr>
<td>55,759</td>
<td>44,607</td>
<td>Compliance</td>
<td>57,140</td>
<td>45,712</td>
<td>Same level of services as last year</td>
</tr>
<tr>
<td>11,178</td>
<td>0</td>
<td>Quota monitoring</td>
<td>11,680</td>
<td>0</td>
<td>Pipi only: Same level of services as last year</td>
</tr>
<tr>
<td>6,500</td>
<td>0</td>
<td>Independent Chair for Harvest Strategy</td>
<td>0</td>
<td>0</td>
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<tr>
<td><strong>OTHER COSTS</strong></td>
<td></td>
<td></td>
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<tr>
<td>6,748</td>
<td>7,909</td>
<td>FRDC</td>
<td>6,454</td>
<td>7,603</td>
<td>Funding based on 0.25% of rolling three year average GVP - as per FRDC production figures</td>
</tr>
<tr>
<td>42,000</td>
<td>103,466</td>
<td>Co-Management Services</td>
<td>5,333</td>
<td>106,853</td>
<td>Previously Consultative and Strategic Planning Services. Services requested for 2013-14. Refer to Table 1 below. Additional $15,000 for second (and last) half of PhD Mulloway Project. Note: RealTime Pipi eData project will not reach $42K collected. Residual amount to be credited to R&amp;D fund for GPHA. (Co-Management Services 2013-14 are attached to this program document)</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>Adjustments</td>
<td>0</td>
<td>0</td>
<td>No adjustments</td>
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**TOTAL**

<table>
<thead>
<tr>
<th></th>
<th>PIPI 2012/13</th>
<th>LAKES &amp; COORONG 2012/13</th>
<th>PIPI 2013/14</th>
<th>LAKES &amp; COORONG 2013/14</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>$318,390</td>
<td>$349,061</td>
<td><strong>$278,232</strong></td>
<td><strong>$357,165</strong></td>
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INTRODUCTION

In October 2010 the Fisheries and Aquaculture Divisions of Primary Industries and Regions South Australia (PIRSA) were combined into a single administrative division known as PIRSA Fisheries and Aquaculture.

The decision to amalgamate the Fisheries and Aquaculture Divisions is a forward step in the Government’s positioning of itself to not only fulfil its management and regulatory responsibilities, but also address the future needs and projected growth of the seafood industry.

Wild catch commercial fisheries in South Australia will continue to be managed in accordance with the previously established cost recovery policy. This policy requires commercial fishery licence fees to fund 100% of commercial fisheries management costs. PIRSA Fisheries and 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 licence fees for the upcoming licensing year.

For each fishery, 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 for discussions to assist in the establishment of appropriate research, policy, compliance and support services to manage a fishery.
## MANAGEMENT OBJECTIVES 2013/14: LAKES AND COORONG FISHERY

### NET SECTOR

<table>
<thead>
<tr>
<th>Fishery</th>
<th>Management Plan objectives</th>
<th>Outcomes 2013/14 to 2015/16</th>
<th>Policy and Management</th>
<th>Compliance</th>
<th>Assessment and Research</th>
<th>Systems and Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lakes and Coorong Fishery (Net Sector)</td>
<td>Resources harvested within ecologically sustainable limits</td>
<td>Finalise and implement the new Management Plan under the Fisheries Management Act 2007, including harvest strategies</td>
<td>Finalise and Implement new management plan</td>
<td>Support implementation of management plan</td>
<td>Support implementation of management plan</td>
<td>Issue 10 year licences, as part of the management plan implementation</td>
</tr>
<tr>
<td></td>
<td>Optimum utilisation and equitable distribution of the resources for the benefit of the community</td>
<td></td>
<td></td>
<td>Implement compliance plan in accordance with risk assessment</td>
<td>Core research—2013/14 Mulloway stock assessment 2014/15 Pipi stock assessment 2015/16 Golden Perch stock assessment</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Participant in relevant environmental water flow Initiatives</td>
<td>Progress SEWPaC recommendations (re: condition 4 - Murray Cod)</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Participate in relevant environmental water flow Initiatives</td>
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<td></td>
<td>Impact on the ecosystem are minimised</td>
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<tr>
<td></td>
<td>Cost-effective, efficient and participative management of the fishery</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Support industry to maintain MSC accreditation</td>
<td></td>
<td>Support ongoing MSC accreditation</td>
<td>Support ongoing MSC accreditation</td>
<td>Support ongoing MSC accreditation</td>
<td>Provide ongoing support for licensing, quota and transfer queries</td>
</tr>
<tr>
<td></td>
<td>Effective engagement with industry in accordance with agreed co-management arrangements and communication strategy.</td>
<td></td>
<td>Liaise with industry and attend meetings as appropriate</td>
<td>Implement outcomes of Rules Review</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Implement outcomes of Rules Review</td>
<td></td>
<td>Implement outcomes of Rules Review</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Consult with SFA and GPHA on policy and management issues in accordance with communication protocol</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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## MANAGEMENT OBJECTIVES 2013/14: LAKES AND COORONG FISHERY

### PIPI FISHERY

<table>
<thead>
<tr>
<th>Fishery</th>
<th>Management Plan objectives</th>
<th>Outcomes 2013/14 to 2015/16</th>
<th>Policy and Management</th>
<th>Compliance</th>
<th>Assessment and Research</th>
<th>Systems and Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lakes and Coorong Fishery (Pipi fishery)</td>
<td>Resources harvested within ecologically sustainable limits</td>
<td>Finalise and implement new Management Plan under the <em>Fisheries Management Act 2007</em>, including harvest strategy</td>
<td>Finalise and implement management plan, including annual TACC decision making</td>
<td>Support implementation of new management plan</td>
<td>2014/15 Pipi stock assessment</td>
<td>Issue 10 year licences, as part of the management plan implementation</td>
</tr>
<tr>
<td></td>
<td>Optimum utilisation and equitable distribution of the resources for the benefit of the community</td>
<td>Facilitate industry economic and market development initiatives</td>
<td>Review Pipi fishing season arrangements considering the FRDC pipi report</td>
<td>Implement compliance plan in accordance with risk assessment</td>
<td>Annual Pipi stock status reporting including harvest strategy performance indicators</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Progress/Development of a method for estimating relative abundance of pre-recruits to the Pipi fishery</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Support implementation of management plan</td>
<td>Support implementation of management plan</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Provide ongoing support for licensing, quota and transfer queries</td>
<td></td>
</tr>
<tr>
<td>Cost-effective, efficient and participative management of the fishery</td>
<td></td>
<td>Effective engagement with industry in accordance with agreed co-management arrangements and communication strategy. Implement outcomes of Rules Review</td>
<td>Consult with SFA and GPHA on policy and management issues</td>
<td>Implement outcomes of Rules Review</td>
<td>Support as required</td>
<td></td>
</tr>
<tr>
<td>Impacts on the ecosystem are minimised</td>
<td></td>
<td>Progress SEWPaC recommendations</td>
<td>Progress SEWPaC recommendations</td>
<td>Implement compliance plan in accordance with risk assessment</td>
<td>Produce overall TEPS report</td>
<td></td>
</tr>
</tbody>
</table>
program: fisheries policy and management

brief description of function
the fisheries policy and management unit of pirsA fisheries & aquaculture undertakes activities such as day-to-day management, long-term planning and strategic 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 executive director 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.
- provide support and advice on fisheries management issues to the fisheries council of south australia.
- progress australian government recommendations under epbc act assessment.

outputs and activities

day-to-day fisheries management includes:

- participation in inter and intra-departmental meetings and workshops on issues relevant to fisheries management.
- liaison 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.
- liaison within pirsA, with other government agencies and with industry representatives in implementing decisions relevant to fisheries management.
- conducting 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.
- coordinating consultation with fishery stakeholders through established co-management processes.
- participation in industry liaison in the field and on vessels to strengthen fishery management knowledge and understanding, and develop rapport with licence holders.
- participation in industry development initiatives related to fisheries management.
- attending to general correspondence and enquiries relevant to fisheries.
- provision of advice to minister in relation to the management of fisheries and ministerial correspondence.
- communication of fisheries management issues to key stakeholder groups and the broader community.
Key deliverables of the Fisheries Policy and Management Unit are:

- Development and implementation of management plans for commercial and recreational fisheries, including harvest strategy development and ESD risk assessment
- Development and implementation of Aboriginal traditional fishing management plans, in accordance with Indigenous Land Use Agreements
- Day-to-day preparation of necessary legislative instruments and/or advice required for the management of fisheries (regulations, closure notices, licence conditions, Ministerial exemptions etc).
- Day-to-day provision of advice to the Minister or his/her delegate on setting total allowable commercial catch and effort levels
- Preparation of other policies to support fisheries management
- Preparation of submissions to enable regular assessment of commercial fisheries under the EPBC Act
- Preparation of annual report to the Australian Government on EPBC Act requirements for all SA fisheries
- Preparation of regular fisheries status reports
- Delivery of Fisheries Council projects
- Day-to-day development and maintenance of productive working relationships and outcomes through cooperative management and collaboration with stakeholders

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 plans in accordance with Fisheries Council schedules and statutory consultative processes. Management plans to include harvest strategies that protect sustainability of the fishery based on ESD risk assessment processes.

Program Contact Officer:
Alice Fistr, Manager Fisheries Policy and Management Unit
08 8226 2369
Alice.Fistr@sa.gov.au
PROGRAM: LEGAL SERVICES

BRIEF DESCRIPTION OF FUNCTION

The Legislation Unit of PIRSA Fisheries & Aquaculture provides legal services to the Executive Director and the Director, Aquaculture and Fisheries and to other members of the Division on an as needs basis. Among other things these services include the provision of advice, in consultation with the Crown Solicitor’s Office where necessary, regarding any legal issues involving the implementation or administration of fisheries management arrangements through existing legislative framework and licence conditions.

OUTPUTS AND ACTIVITIES

These activities include:

1. Co-ordination of the amendment of regulations, the introduction of new regulations and drafting of other legislative and administrative instruments such as delegation instruments required or permitted under the Fisheries Management Act 2007. New regulations or amendments involve the drafting of Cabinet submissions, including the preparation of drafting instructions, for consideration by government to provide for the necessary legislative framework to implement approved fishery management policy. This service includes co-ordinating liaison with the Office of Parliamentary Counsel and the Crown Solicitor’s Office to ensure that regulations are accurately and effectively drafted.

2. Maintenance and review of licensing arrangements required to appropriately implement approved fishery management policy and measures within the limits of the Fisheries Management Act 2007. The service includes working with the Licensing (part of Systems and Information) to set up efficient administrative systems that are legally sound.

3. Problem solving together with the co-ordination of the provision of legal advisory services in liaison with the Crown Solicitor’s office relating to the implementation and administration of the Fisheries Management Act 2007, Regulations and fisheries management policies, and the defence of those policies and arrangements in litigation.

4. To safeguard the ongoing sustainability of a fishery may require additional legal services in any particular year, 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 arrangements (for example, changes to licensing processes, conditions, introduction of closures).

Program Contact Officer:
Lambertus Lopez, Manager, Legal and Legislative Programs
08 8226 0266
Lambertus.Lopez@sa.gov.au
PROGRAM: LICENSING

BRIEF DESCRIPTION OF FUNCTION

The Fisheries Systems and Information Section of PIRSA Fisheries and 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.

OUTPUTS AND ACTIVITIES

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.
5. Record and track unpaid renewals.
7. Draft and issue notices to recall licences.
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 federal government stakeholders (AFMA) to verify the credentials of fishers.
12. Liaise with PIRSA Fisheries, 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, Aquaculture & Fisheries and the Director, Aquaculture & Fisheries.
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. Provide licence holders with the ability to monitor their personal quota management reports electronically allowing access to varying Total Allowable Commercial Catch (TACC) returns and end of season quota holdings.

PERFORMANCE INDICATORS

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

Program Contact Officer:
Kim Terry, Manager Leasing & Licensing
08 8204 1374
Kim.Terry@sa.gov.au
BRIEF DESCRIPTION OF FUNCTION

Business Services, within Directorate of PIRSA Fisheries and 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.

OUTPUTS AND ACTIVITIES

Business Services provides support services to government as well as advice and facilitation of corporate related policy and management issues:

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, in particular SARDI.
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 Executive Director, Aquaculture and Fisheries and the Director, Aquaculture and Fisheries, PIRSA fisheries managers, the Office of the Minister and other parties as needed.
8. Management of industry funds and services.

PERFORMANCE INDICATORS

1. Plan, coordinate and facilitate the cost recovery process with industry associations and program providers in a timely and efficient manner.
2. Ongoing review, development and documentation of the cost recovery model, framework, processes and roles.
3. Meet agreed timeframes on management and administration of external contractual services

Program Contact Officer:
Benn Gramola, Business Manager
08 8226 2317
Benn.Gramola@sa.gov.au
PROGRAM: FISHERIES COMPLIANCE OPERATIONS

BRIEF DESCRIPTION OF FUNCTION

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 focussed. 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 immerging 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. 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.
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

Program Contact Officer:
Peter Dietman, Director, Operations
08 8226 2873
Peter.Dietman@sa.gov.au

Fishery Management Plan Goals:

1. Sustainable harvesting of fisheries resources.
2. Optimum utilisation and equitable distribution of fisheries resources, within the constraints of sustainability imperatives
3. Minimise impacts on the structure, productivity, function and biological diversity of the ecosystem.
4. Cost-effective and participative governance of the fishery

Compliance Risk Summary


   The Lakes and Coorong fishery is an input control managed fishery. Excess effort (illegal use of gear) has significant impact on the overall management of the fishery. Some offences detected in relation to the above risks

2. Take Undersize - PIRSA Risk Rating: Moderate (Likelihood - Likely 6: Consequence - Moderate 2: Score 12)

   This risk is also due to the percentage of detections of undersize fish in catches compared to the number of inspections undertaken (at processors and at point of landing). The impact of taking undersize fish could have a significant impact on this fishery.


   Includes licence holder not present. The Lakes and Coorong fishery is an input control managed fishery. Excess effort (using unreported relief days or agents) has significant impact on the overall management of the fishery. One offence detected and some information reports received in relation to the above risk

4. Fail to Supply Log Book Data - PIRSA Risk Rating: Low (Likelihood - Occasional 5: Consequence - Low 1: Score 5)

   This risk relates to commercial fishers not providing SARDI with log book information within legislated timeframes, which adversely impacts on SARDI’s ability to provide stock status reports.

5. Bio-Security Awareness - PIRSA Risk Rating: Moderate (Likelihood - Possible 4: Consequence - Severe 3: Score 12)

   Diseases or pests are not known at this stage. The likelihood of an outbreak is low. Advice from PIRSA Biodiversity is that the Coorong is a very good habitat for Caleurpa Taxifolia and so the spread of this weed is a risk. The consequences to the fishery could be severe.
Strategies

The following strategies have been developed to address each of the risks:

Education & Awareness:

1. All interested parties understand their respective obligations
2. Develop Industry communication & relationship program

Deterrence:

1. Enforcement Plan Communication Strategy
2. Enforcement Outcomes Communication Strategy
3. All aspects of fishing activity monitored

Enforcement:

1. Maximise successful prosecutions Outcomes

Target Outcomes

The following target outcomes have been identified:

1. Minimise use of un-endorsed fishing gear.
2. Minimise take of undersize
3. Minimise use of excess Agents / Relief Days (including licence holder not present)
4. Log book data submitted
5. Fish kills and incursions are reported

### Risk Likelihood & Consequence Analysis:

<table>
<thead>
<tr>
<th>LIKELIHOOD</th>
<th>CONSEQUENCES</th>
<th>NEGLIGIBLE</th>
<th>MINOR</th>
<th>MODERATE</th>
<th>SEVERE</th>
<th>MAJOR</th>
<th>CATASTROPHIC</th>
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<tr>
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</tr>
</tbody>
</table>

### Likelihood Definitions:
- **LIKELY**: It is expected to occur
- **OCCASIONAL**: May occur
- **POSSIBLE**: Some evidence to suggest this is possible here
- **UNLIKELY**: Uncommon, but has been known to occur elsewhere
- **RARE**: May occur in exceptional circumstances
- **REMOTE**: Never heard of but not impossible

### Consequence Definitions:
- **NEGLIGIBLE**: Insignificant impacts to population. Unlikely to be measurable against background variability
- **MINOR**: Possibly detectable, but minimal impact on population size and none on dynamics
- **MODERATE**: Full exploitation rate, but long term recruitment / dynamics not adversely impacted
- **SEVERE**: Affecting recruitment levels of stocks / or their capacity to increase
- **MAJOR**: Likely to cause local extinctions, if continued in longer term
- **CATASTROPHIC**: Local extinctions are imminent / immediate

### Risk Rating:
- **Negligible**
- **Low**
- **Moderate**
- **High**
- **Extreme**

### Risks
- 1 = Unregistered / Illegal / Excess Gear / Use excess Agents / Relief Days
- 2 = Take Undersize
- 3 = Fish Closed Seasons / Areas
- 4 = Fail to Supply Log Book Data
- 5 = Bio-Security Awareness

### Strategies
- 1 = Education & Awareness
- 2 = Deterrence
- 3 = Enforcement
- 4 = Compliance
- 5 = Enforcement
- 6 = Bio-Security Awareness

### Coordination Team:
- Central South – Dave Grant (State Coordinator)
- Policy Manager – TBA

<table>
<thead>
<tr>
<th>Risks Addressed</th>
<th>Strategies</th>
<th>Initiative</th>
<th>Actions</th>
<th>Who</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2 3 4 5</td>
<td>1 2 3</td>
<td>1 on 1 interactions</td>
<td>Meet with all new licence Holders. Ensure all clear on licence conditions. Advised by licensing on new entrants</td>
<td>Regional Fisheries Officers</td>
<td>As required</td>
</tr>
<tr>
<td>x x x x x x x x</td>
<td>Fish Induction Package</td>
<td>Develop Lakes and Coorong induction Package</td>
<td>State Coordinator, Policy</td>
<td>ongoing</td>
<td></td>
</tr>
<tr>
<td>x x x x x x x</td>
<td>Established liaison &amp; contact with Industry</td>
<td>Representation at all stakeholder meetings with SARDI, Policy and Industry</td>
<td>State Coordinator</td>
<td>As required</td>
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<tr>
<td>x x x x x x x</td>
<td>Participate in Gear Review</td>
<td>Compliance to actively participate with Policy in an gear review meetings</td>
<td>State Coordinator</td>
<td>As required</td>
<td></td>
</tr>
<tr>
<td>x x x x SARDI return follow up</td>
<td>Random and targeted checks</td>
<td>Initiate contact with Licence Holders who are late lodging their statistical returns with SARDI</td>
<td>Regional Fisheries Officers</td>
<td>As required</td>
<td></td>
</tr>
<tr>
<td>x x x x x x x Random and targeted checks</td>
<td>Random and targeted inspections of gear to ensure compliance with quantity and dimensions</td>
<td>Regional Fisheries Officers</td>
<td>Ongoing</td>
<td></td>
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</tr>
<tr>
<td>x x x x Relief Days</td>
<td>Liaise with Licensing to ensure Relief Days are not exceeded</td>
<td>State Coordinator Licensing staff</td>
<td>Ongoing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risks Addressed</td>
<td>Strategies</td>
<td>Initiative</td>
<td>Actions</td>
<td>Who</td>
<td>When</td>
</tr>
<tr>
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</tbody>
</table>
| x              | x          | Media      | Issue media release:  
|                | x          |            | - Upon successful prosecutions and when related prosecution results are achieved  
|                | x          |            | - Regarding closed areas  
|                | x          |            | - When fish kills and pest incursions are suspected / confirmed  
|                | x          |            | - To communicate details of any new initiatives and issues arising | State Co-ordinator, Bio-Security, Policy | As required |
| x              | x          | Intelligence | Collate and analyse information received from FISHWATCH (1800) number and stakeholders | Regional staff, Intel analyst | Ongoing |
| x              | x          | Intelligence driven operations | Develop and conduct intelligence driven operations in line with Serious Offence Plan | Regional Fisheries Officers | As required |
| x              | x          | Brief Quality Assurance | Briefs of evidence meet quality assurance guidelines and are vetted.  
|                | x          |            | Briefs of evidence to meet evidentiary requirements and are in line with the guidelines | Regional Fisheries Officers, Prosecution steering committee | As required |
| x              | x          | Compliance Training | Fisheries Officers working within the Lakes and Coorong fishery have a consistent understanding of legislation and also apply this consistently | State Co-ordinator | Planned |

**Compliance Risk Summary:**

1. **Quota Management System Integrity** - PIRSA Risk Rating: MODERATE (Likelihood - Likely 4: Consequence - Severe 3: Score 12)

   Includes fail to prior report, closed season/ area, illegal/ excess gear and excess agents. The legal requirement for licences to submit catch information is pertinent for the monitoring of the quota system. The more licences and landings, the increased chance of errors or non conformance occurs. The consequence may lead to disparity in the Fishery, incorrect information received by PIRSA Fisheries and an ineffective quota system. Compliance with input controls also impact upon Quota Management System integrity, such as fish graded, but not immediately returned to the water, and this is another factor required to be addressed.

2. **Quota Evasion** (including fail to complete a CDR) - PIRSA Risk Rating: MODERATE (Likelihood – Likely 4: Consequence – Moderate 2: Score 8)

   Furnishing false or misleading information on Catch and Disposal Record (CDR) to under declare actual weight and exceeding quota entitlement by collusion. The likelihood of this risk increases with the lack of accurate weighing at designated points with decreasing prices and higher catch rates. The consequence of overfishing can lead to over exploitation and localised stock depletion.


   In this Fishery taking of undersize fish depends upon abundance of undersize Pipis. Large numbers of undersize fish increases the risk of fish not being graded correctly. Market factors are also a consideration when (and if) the price of fish at minimum legal size increases.


   Diseases or pests are not known at this stage. The likelihood of an outbreak is low. The consequences to the Pipi population could be catastrophic.

Strategies

The following strategies have been developed to address each of the risks:

Education & Awareness:

3. All interested parties understand their respective obligations
4. Develop Industry communication & relationship program

Deterrence:

1. All aspects of Quota Management System are fully monitored
2. Enforcement Plan Communication Strategy
5. Enforcement Outcomes Communication Strategy
6. All aspects of fishing activity monitored

Enforcement:

1. Maximise successful prosecutions Outcomes
2. Identify participants & methodology of Quota Evasions
3. Reduce ability to evade Quota Management System

Target Outcomes

The following target outcomes have been identified:

1. Quota Management System integrity maintained
2. Minimise quota evasion
3. Minimise take of undersize
4. Fish kills and pest incursions are reported

### Risk Likelihood & Consequence Analysis:

#### Likelihood Definitions

- **Likely**: It is expected to occur
- **Occasional**: May occur
- **Possible**: Some evidence to suggest this is possible here
- **Unlikely**: Uncommon, but has been known to occur elsewhere
- **Rare**: May occur in exceptional circumstances
- **Remote**: Never heard of but not impossible

#### Consequence Definitions

- **Negligible**: Insignificant impacts to population. Unlikely to be measurable against background variability. For this population
- **Minor**: Possibly detectable, but minimal impact on population size and none on dynamics
- **Moderate**: Full exploitation rate, but long term recruitment / dynamics not adversely impacted
- **Severe**: Likely to cause local extinctions. If continued in longer term
- **Major**: Local extinctions are imminent / immediate
- **Catastrophic**: Affecting recruitment levels of stocks / or their capacity to increase

#### Likelihood vs Consequence Matrix

<table>
<thead>
<tr>
<th>Likelihood</th>
<th>NEGLIGIBLE</th>
<th>MINOR</th>
<th>MODERATE</th>
<th>SEVERE</th>
<th>MAJOR</th>
<th>CATASTROPHIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Rare</td>
<td>2</td>
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<tr>
<td>Unlikely</td>
<td>3</td>
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<td></td>
<td></td>
<td></td>
<td>Bio-security Awareness</td>
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<tr>
<td>Possible</td>
<td>4</td>
<td>Quota Evasion</td>
<td>Quota Management System Integrity</td>
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<td></td>
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<tr>
<td>Occasional</td>
<td>5</td>
<td>Take Undersize</td>
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<td>Likely</td>
<td>6</td>
<td></td>
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</tbody>
</table>

**Risk Rating**

- **Negligible**
- **Low**
- **Moderate**
- **High**
- **Extreme**

<table>
<thead>
<tr>
<th>Risks Addressed</th>
<th>Strategies</th>
<th>Initiative</th>
<th>Actions</th>
<th>Who</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = Quota Integrity</td>
<td>1 = Education &amp; Awareness</td>
<td>1 on 1 interactions</td>
<td>Meet with all new Licence Holders, Registered Masters and Relief Masters prior to season start. Ensure all clear on licence requirements Discuss new management arrangements with participants (if commenced)</td>
<td>State Coordinator</td>
<td>Pre Season</td>
</tr>
<tr>
<td>2 = Quota Evasion</td>
<td>2 = Deterrence</td>
<td>Fishery Induction Package</td>
<td>Update Fishery Induction Package; induct all new entrants</td>
<td>State Coordinator</td>
<td>As required</td>
</tr>
<tr>
<td>3 = Take Undersize</td>
<td>3 = Enforcement</td>
<td>Established liaison &amp; contact with Industry</td>
<td>Regularly attend Industry meetings Have regular contact with SARDI, Policy &amp; Key Industry representatives</td>
<td>State Coordinator</td>
<td>Ongoing</td>
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<tr>
<td>4 = Bio-Security Awareness</td>
<td></td>
<td>Co-development of Bio-Security Plan</td>
<td>Liaise with Bio-Diversity staff to develop BD Security Plan including 1st point of contact details</td>
<td>State Coordinator</td>
<td>As required</td>
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<tr>
<td></td>
<td></td>
<td>Audits</td>
<td>Audit prior reports against CDR submitted Audit sales made against CDR submitted</td>
<td>State Coordinator &amp; Quota Officer</td>
<td>Season</td>
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<tr>
<td></td>
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<td>Follow up CDR irregularity</td>
<td>Identify CDR irregularities and follow up Monitor quota balance for exceeding catch</td>
<td>State Coordinator &amp; Quota Officer</td>
<td>Season</td>
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<tr>
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<td>Policy review and revision</td>
<td>Liaise with Policy and Industry to ensure policy and legislation is both workable and achievable for all parties</td>
<td>State Coordinator</td>
<td>As required</td>
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<tr>
<td>Risks Addressed</td>
<td>Strategies</td>
<td>Initiative</td>
<td>Action</td>
<td>Who</td>
<td>When</td>
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<tr>
<td>x</td>
<td>x x x</td>
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<td>Inspections at the beach and Processor</td>
<td>Central South Region</td>
<td>Season</td>
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<tr>
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<td>Undertake inspections at beach and Processor</td>
<td>All Regions</td>
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<td>Inspections at vessel retrieval points on Young Husband Peninsula</td>
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<td></td>
<td></td>
<td>(outside of 100 metres from the Coorong Beach)</td>
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<td>Inspect tackle shops and other PIPI outlets</td>
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<td>Patrols Goolwa and Coorong Beaches during closed season</td>
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<td>Central South</td>
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<td></td>
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<td>Issue media releases on successful prosecutions</td>
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<td>Issue media releases regarding size limits of PIPIs when there is an</td>
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<td>Media releases when fish kills and pest incursions are suspected /</td>
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<td>and stakeholders</td>
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<td>Intelligence driven Operations</td>
<td>Central South and Limestone Coast Regions</td>
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<td>Undertake intelligence driven Operations in line with Serious Offence</td>
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<td>Brief Quality Assurance</td>
<td>Fisheries Officers, Regional Managers,</td>
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<td>Prosecution Steering Committee</td>
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<td>with the guidelines</td>
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