CONTENTS

SUMMARY TABLE ABALONE FISHERY – SOUTHERN ZONE 3
INTRODUCTION 4
PROGRAM: FISHERIES POLICY AND MANAGEMENT 6
PROGRAM: LEGAL SERVICES 8
PROGRAM: LEASING AND LICENSING 9
PROGRAM: DIRECTORATE 11
PROGRAM: FISHERIES COMPLIANCE OPERATIONS 12
### SUMMARY TABLE ABALONE FISHERY – SOUTHERN ZONE

<table>
<thead>
<tr>
<th></th>
<th>2013-14 $</th>
<th>PROGRAM AREA</th>
<th>2014-15 $</th>
<th>COMMENTS</th>
<th>DAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESEARCH COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>218,146</td>
<td>Stock Assessment and Monitoring</td>
<td>209,515</td>
<td>Two-year program 2013-14 and 2014-15. Reduced program total to $427,661 due to small changes in FTE distribution. As $218,146 was collected in 2013-14, the remaining cost for the program of $209,515 is to be collected in 2014-15.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2,379</td>
<td>Economic Assessment</td>
<td>2,826</td>
<td>Contract for services finalised with supplier for 2014-15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>205</td>
<td>Other Research</td>
<td>236</td>
<td>Contribution towards Threatened and Endangered Species</td>
<td></td>
</tr>
<tr>
<td>PIRSA RELATED COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13,418</td>
<td>Policy and Management</td>
<td>13,837</td>
<td>Same level of service as previous year</td>
<td>15.43</td>
</tr>
<tr>
<td></td>
<td>1,437</td>
<td>Legislation</td>
<td>1,628</td>
<td>Same level of service as previous year</td>
<td>1.71</td>
</tr>
<tr>
<td></td>
<td>7,014</td>
<td>Licensing</td>
<td>6,430</td>
<td>Same level of service as previous year</td>
<td>8.57</td>
</tr>
<tr>
<td></td>
<td>3,031</td>
<td>Directorate</td>
<td>2,785</td>
<td>Same level of service as previous year</td>
<td>3.09</td>
</tr>
<tr>
<td></td>
<td>115,422</td>
<td>Compliance</td>
<td>118,744</td>
<td>Reduced by 1 day due to efficiencies as a result of new management arrangements following on previous reductions from 101 days</td>
<td>100.00</td>
</tr>
<tr>
<td></td>
<td>4,005</td>
<td>Quota Monitoring</td>
<td>4,312</td>
<td>Same level of service as previous year</td>
<td>6.86</td>
</tr>
<tr>
<td></td>
<td>5,400</td>
<td>VMS</td>
<td>5,400</td>
<td>VMS cost is $900 per licence holder</td>
<td>6.00</td>
</tr>
<tr>
<td>OTHER COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10,469</td>
<td>FRDC</td>
<td>11,852</td>
<td>Funding based on 0.25% of rolling three year average GVP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL</td>
<td></td>
<td>$380,926</td>
<td>$377,566</td>
</tr>
</tbody>
</table>

**Licence Fees 2014/15:**

- **SZ Base Fee**: $13,306
- **SZ Unit Fee**: $236.30

**Licence Fees 2013/14**

- **Base Fee**: $13,418
- **SZ Unit Fee**: $238.45
INTRODUCTION

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 services related to commercial fisheries management costs. PIRSA Fisheries & Aquaculture will continue to manage the process of consulting with service providers and relevant industry associations to establish fishery based management programs which will form the basis of annual licence fees.

For each 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 2014/15

<table>
<thead>
<tr>
<th>Long term objectives</th>
<th>Outcomes 2014/15 to 2016/17</th>
<th>Fishery Policy and Management</th>
<th>Compliance</th>
<th>Assessment and Research</th>
<th>Systems &amp; Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ensure the Abalone resource is harvested sustainably</td>
<td>Maintain Greenlip and Blacklip Abalone stocks above sustainable levels</td>
<td>Implement management plan</td>
<td>Implement compliance program, informed by risk assessment. Provide compliance advice in the implementation of new finer spatial scale management framework</td>
<td>Stock Assessment and monitoring to underpin stock status and stock assessment reports</td>
<td>Provide ongoing support for licensing, quota and transfer queries</td>
</tr>
<tr>
<td></td>
<td>Ensure sufficient data and information is available to undertake harvest strategy</td>
<td>Implement harvest strategy under management plan. Set TACC annually, in accordance with the harvest strategy</td>
<td></td>
<td>Provide scientific advice, in the implementation of new finer spatial scale management framework</td>
<td>Provide licensing advice, in the implementation of new finer spatial scale management framework</td>
</tr>
<tr>
<td></td>
<td>Maximise catches for both species within ecologically sustainable limits</td>
<td>Implement new finer spatial scale management framework</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Improve integrity in quota management system</td>
<td>Optimise and maximise economic returns to the fishery</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optimum economic utilisation and equitable distribution of the Abalone resource</td>
<td>Maintain Greenlip and Blacklip Abalone stocks above sustainable levels</td>
<td>Implement management plan</td>
<td>Implement compliance program, informed by risk assessment. Provide compliance advice in the implementation of new finer spatial scale management framework</td>
<td>Stock Assessment and monitoring to underpin stock status and stock assessment reports</td>
<td>Provide ongoing support for licensing, quota and transfer queries</td>
</tr>
<tr>
<td></td>
<td>Ensure sufficient data and information is available to undertake harvest strategy</td>
<td>Implement harvest strategy under management plan. Set TACC annually, in accordance with the harvest strategy</td>
<td></td>
<td>Provide scientific advice, in the implementation of new finer spatial scale management framework</td>
<td>Provide licensing advice, in the implementation of new finer spatial scale management framework</td>
</tr>
<tr>
<td></td>
<td>Maximise catches for both species within ecologically sustainable limits</td>
<td>Implement new finer spatial scale management framework</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Improve integrity in quota management system</td>
<td>Optimise and maximise economic returns to the fishery</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimise impacts on the ecosystem</td>
<td>Disease risk management</td>
<td>Undertake aquatic animal health risk assessment</td>
<td>Provide support with investigation of fish kills, as required</td>
<td>Provide scientific advice on aquatic animal health risks and continue participation in disease monitoring as part of existing research</td>
<td>Provide licensing advice, where necessary, throughout the licensing year</td>
</tr>
<tr>
<td>Cost effective and participative management of the fishery</td>
<td>Support co-management of the fishery</td>
<td>Maintain regular communication with industry representatives and be accessible to all licence holders. Provide management advice, where necessary, throughout the licensing year Progress co-management arrangements following finalisation of the Co-management Policy by the Fisheries Council.</td>
<td>Maintain regular communication with industry representatives Provide compliance advice, where necessary, throughout the licensing year</td>
<td>Maintain regular communication with industry representatives Provide scientific advice to inform decision-making process of new harvest strategy</td>
<td>Maintain regular communication with industry representatives Provide licensing advice, where necessary, throughout the licensing year</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 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 overarching 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:
Keith Rowling, Manager Fisheries Policy and Management Unit
08 8226 2369
Keith.rowling@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 all other members of the Division on an as needs basis. Among other things these services include problem solving and 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 introduction, amendment or revocation of Fisheries and Aquaculture legislation i.e. Act or regulation amendments, the introduction of new regulations and drafting of other legislative and administrative instruments such as delegation, permit or exemption instruments as required under the *Fisheries Management Act 2007*. 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 Divisional liaison with the Office of Parliamentary Counsel and the Crown Solicitor’s Office to ensure that regulations and proposed activities of the Division are accurately and effectively drafted and or implemented.

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

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

4. Responsible for the coordination of applications for Ministerial exemptions and Permits under Part 7 Division 2 of the *Fisheries Management Act 2007*.

5. 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: LEASING AND LICENSING

BRIEF DESCRIPTION OF FUNCTION

The Fisheries Leasing & Licensing Section of PIRSA Fisheries & Aquaculture is responsible for the management of Licensing, Quota Monitoring and VMS services.

This business unit provides a range of services related to the timely processing and management of information leading to the issue of licences and other reporting services.

The unit administers a licensing call centre for licence inquiries and other administrative services. The success of these functions is based on maintaining the Primary Industries Information Management System (PIIMS) database.

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 Fishers.
8. Process requests for information from fishers who make such inquiries over the counter, through the call centre, via facsimile or e-mail. For example, helping fishers to process information relevant to licence renewal forms, application for licence transfers, boat changes, gear enquiries and fishing regulations.
9. Regularly update information about licence holders.
10. Research and prepare documents for public record.
11. Liaise with government stakeholders to verify the credentials of fishers.
12. Liaise with PIRSA Fisheries & Aquaculture, SARDI Aquatic Sciences, Crown Solicitors and other state and local agencies on matters relevant to the fishery.
13. Draft and update licence conditions over the duration of the licensing year as determined by the Executive Director, Fisheries and Aquaculture and the Director, Fisheries and Aquaculture Policy.
14. Provide information to licence holders relating to the requirements pursuant to licence administration.
15. Manage calls from fishers regarding late payment notices, fees and general enquiries about their licences.
16. Provide support regarding an increased frequency of last minute administrative enquiries from fishers. e.g., master changes and quota transfers, as well as provide advice and support to fishers on licence information, to complete the required forms.
Services to support fisheries management:

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

BRIEF DESCRIPTION OF FUNCTION

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

OUTPUTS AND ACTIVITIES

Business Services provides support services to government and industry 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.
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, Fisheries and Aquaculture, Director, Fisheries and Aquaculture Policy Management, Director, Operations, PIRSA fisheries managers, and 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
4. Appropriate management of industry funds and 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 immersing 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 Contact Officer:
Peter Dietman, Director, Operations
08 8226 2873
Peter.Dietman@sa.gov.au
Fishery Management Plan Goals

1. Ensure the Abalone resource is sustainably harvested
2. Optimum utilisation and equitable distribution of the abalone resource to the benefit of the community
3. Minimum impacts on the ecosystem
4. Cost effective and participative management of the fishery

Compliance Risk Summary:

1. Quota Management System Integrity – PIRSA Risk Rating: HIGH (Likelihood 5: Consequence 3: Score 15)

The Quota Management System (QMS) is the collection of elements, each including various measures that when adhered to, enable effective accountability of all fish taken and subsequently sold or transferred. Integrity is the term used to describe the effectiveness of the measures contained within the QMS. The more effective the measures, the better the integrity of the Quota Management System.

A robust and manageable Quota System is an integral component to the effective management of a quota fishery. The current system contains a number of shortfalls. These shortfalls leave the fishery exposed to other offending including Quota Evasion.

The lack of an accurate weight of the catch on landing has a direct and adverse impact on the integrity of the underlying Abalone Quota System. Without an initial accurate weight (the fisher estimates the weight only), there is an absence of a “starting point” against which all audit thereafter can be checked against. This severely limits the ability of Fisheries Compliance to detect quota evasion if it were to occur.

The requirement for fishers to contain their catch within sealed bins at point of landing has integrity from point of tagging, until delivery at the Fish Processing premises and breaking of tags, however there remains opportunity for the fisher and / or the Fish Processor to under report catch (again, due to the requirement to estimate weight only), which further undermines the integrity of the Quota System.

Actual weighing of the catch is not required until delivery at the Fish Processing premises and in some instances weighing can take place up to 48 hours after the catch has been landed. As a result, the delay exposes the fishery to potential exploitation of catch weight.

Changes in fishing practices and processing constantly challenge the integrity of the fishery. The growing live market trade and implementation of finer spatial management have added a new level of complexity that compliance must be able to monitor.
Where the fisher has an interest in the Fish Processing Business that they sell their catch to, under the current legislation, it is permitted that they can complete both Part A and also Part B of their CDR. Again, whilst this is permitted, such situations lend themselves to potential under reporting of actual catch weight, leading to Quota Evasion.

The Southern Zone Abalone Fishery (SZAF) comprises of numerous, independent Blacklip Abalone stocks that vary in biology and morphology. In September 2013, PIRSA Fisheries and Aquaculture, in consultation with SZA industry implemented a framework for managing the Fishery at a finer-spatial scale, setting a zonal TACC on an annual basis. Elements of this spatial management include:

- Establishing 13 spatial areas within the Southern Zone
- Setting size limits and catch caps for each of 13 fishing areas
- Scope to close an area when the catch cap is reached
- Scope for divers to move between areas within a single day

All licences are permitted to move between spatial areas on any one fishing trip, and subsequently harvest abalone with different minimum legal sizes. Compliance management tools in place to allow for this movement include mandatory VMS, completing CDR’s and sealing of bins prior to exiting a spatial area. In addition, the use of Section 79 closure notices (Fisheries Management Act 2007) allows the Minister to close any of the 13 areas by gazettal notice, where the catch cap level of the individual areas are met.

Any non-compliance with the new arrangements undermines the objectives of the new management regime and the benefits associated with it. Exploitation of the rules may lead towards any negative outcome associated with the risks of Integrity of QMS, Quota Evasion and/or Taking undersize. A new management regime also increases the risk of a lack of understanding in the rules which increases the chance of a licence making errors. An extra level of education is required to ensure all licenses are familiar with the new arrangements in place for the fishery.

Other elements that have a direct impact on the overall effectiveness and integrity of the Quota System include:

- Inconsistencies between the number of receptacles containing abalone and the number of tags used to seal these receptacles.
- Part A and Part B can be signed off by the same person
- Prior reporting but no CDR submitted for that day
- Errors and/or omissions on CDR’s and limited scope for Fisheries Officers to prove/disprove offending
- Tags not applied tightly and limited scope for Fisheries Officers to address
- Abalone not sealed in bins
- CDR not immediately signed upon completion of weighing the catch
- Abalone not delivered to registered Fish Processor in a timely manner
- Abalone declared as caught in area different to where they were taken from
2. Quota Evasion - PIRSA Risk Rating: HIGH (Likelihood 4: Consequence 4: Score 16)

Quota Evasion is where a Commercial Fisher takes fish but not all of those fish are documented as having been taken. The risk “Quota Management System Integrity” has direct links to the risk “Quota Evasion”. Where the system lacks effective checks and balances, the potential for Quota Evasion is heightened and at the same time the likelihood of detection is reduced.

The need for or opportunity to increase personal income is the primary driver for quota evasion to occur. Factors including changed personal financial circumstances, reducing profit margins and product sale uncertainty (China) can influence the likelihood of quota evasion occurring.

Quota Evasion can occur in a number of ways, including: (1) not all catch being delivered to a Fish Processor for weighing and declaration (2) removal of Abalone during the transportation from landing to the processor (3) under declaration of the catch at the Fish Processing premises.

The fact that fishers only estimate their catch weight makes it very difficult to prove or disprove catch weight variances at the Fish Processing Premises. Should catch be under declared by the Processor, additional fishing activity will be required and additional fish taken from the biomass to catch quota. The absence of an accurate weight on Part A inhibits the ability of the Fisher to self-monitor his catch against that recorded by the Fish processor on part B of the CDR.

Weighing of the catch occurs at the Fish Processing Premises and can occur up to 48 hours after landing the catch. Fish processors could under declare the weight of the catch, resulting in Quota Evasion occurring, with little opportunity for Fisheries Officers to reweigh the catch after CDR completion and before the Abalone is dispersed into the Factory.

Within the current Quota Management System there is opportunity for the Fish Processors to exploit the absence of an accurate weight recorded by the fishers by under recording the weight of the catch on Part B. In turn, the fisherman is only paid for the weight of the catch declared by the Processor whilst the processor can retain the un-declared portion of the catch for their own financial gain. Short of conducting a full audit of Fish Processor records and catch on hand annually, the risk of detection for this type of offence remains almost non-existent.

In some instances the Fisher and the Fish Processor are the same entity so there is potential for quota evasion to occur should both parties collude to under report catch weight on both Part A and Part B of the CDR. Should this occur, the likelihood of detection is again limited given difficulties in taking action against an estimated weight.

Financial factors including increased input costs, variations in market prices and individual financial circumstances may also be a driver for potential quota evasion, including the temptation for Commercial Fishers to take Abalone and sell it on the black market.
Other elements that have the potential to lead to Quota Evasion include;

- Failing to make a prior to fishing report and landing catch without completing a CDR
- Making a prior report but not completing a CDR (indicators could include making a late cancellation report)
- Incorrectly reporting number of bins containing abalone that have been landed
- Using bins that can be tampered with
- Tagging bins but not declaring all bins and delivering all abalone to FP
- Sale of, or purchase of abalone without a CDR
- Tags applied loosely and abalone removed in transit to FP
- No tags applied to bins
- Delayed delivery to FP to allow time for abalone to be skimmed and dispersed
- Landing catch at location different to launch location to avoid detection

3. Take undersize – PIRSA Risk Rating: MODERATE (Likelihood 4: Consequence 2: Score 8)

There are legislated minimum shell sizes and meat weights in the Abalone Fishery. The purpose of a Minimum Legal Size (MLS) is to protect juvenile fish, maintain spawning stocks and control the sizes of fish caught. This is done by setting the MLS at a size at which an adequate percentage of fish have the opportunity to reproduce at least once before they are taken. The MLS is set taking into account scientific advice about the size at maturity. The MLS is a fundamental tool for controlling exploitation on the juvenile fraction of the stock and one of the building blocks of an effective fisheries management system.

Southern Zone Abalone licences must land abalone in shell. Other specific regulations such as the requirement to carry an accurate and effective measuring device and immediately replacing an undersized abalone to where it was removed are in place to protect abalone whilst under the MLS.

In addition, the framework implemented in 2013 for managing the Fishery at a finer-spatial scale now has 13 separate areas under a Finer Spatial Management regime. Multiple MLS relevant to each area will apply and fishermen have the ability to harvest abalone in more than one on these areas and with different size limits on any one fishing trip. With these arrangements in place comes a perceived risk of ‘masking’ undersize abalone being taken from a different area from which it actually was.
4. Pest / Disease Incursion

Note – Compliance responds to Pest & Disease incursions however, responsibility for the management of such incursions and consequent costs associated, are dealt with separate to this plan. Hence, there are no risk ratings attached to this item (4).

AVG has been located in the waters of Victoria however there have been no new sightings in the last five years. The movement of AVG into SA waters could result in catastrophic consequences for the Abalone populations of SA. There is limited opportunity for Fisheries (including Compliance) to monitor and limit the risk of AVG spreading. This risk is higher within the SZA area compared to the waters west of this location which is rated at Moderate.

In addition to this, consideration needs to be given to the unusually high level of mortalities that occurred in 2012/2013 as a result of environmental conditions.

The risk of pest or disease incursion increases where;

- Fisher fails to report mortalities in Abalone
- Fisher fails to monitor or react to mortalities
- And due to Fisheries Compliance having limited ability to monitor the transhipment of AVG infected fish

5. Illegal, Unreported, Unregulated Take – PIRSA Risk Rating: HIGH (Likelihood 4: Consequences 4: Score 16)

Note – Actions & Initiatives are addressed and delivered against the Recreational Fishery Compliance Plan

Illegal, Unreported, Unregulated harvesting of Abalone, by unlicensed fishers, is a direct risk to the commercial Abalone Fishery. Organised unlicensed fishing has a direct impact on the abalone biomass as Abalone that is taken outside of quote results in more abalone being taken from the water and therefore reduced egg production.

Unlicensed fishers often take abalone well below the legal minimum size which also has an impact on egg production. Unlicensed fishing can lead to localised depletion of abalone stocks as these groups or individuals often fish repeatedly in the same areas with little concern for long term sustainability.

Intelligence collected during the year is showing a move towards more organised and well equipped illegal harvesting of abalone. In one zone this is known to be in the high hundreds of kilograms per month. Intelligence received from interstate (confirmed in SA) is showing WZA and SZA are more susceptible to incursions from interstate divers.

6. Other Compliance risks identified within the fishery that may occur will be addressed as they are detected. They include the following:

- Failure to lodge SARDI catch and effort returns
- Inaccurate or misleading reporting of catch location and volume on SARDI Returns
- Taking non-permitted species
- Assist/provide services to other agencies
## 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>REMOTE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RARE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNLIKELY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSSIBLE</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCCASIONAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIKELY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</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
- **REMOTE**: Never heard of but not impossible

### Consequence Definitions

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

### Risk Rating

- **Negligible**
- **Low**
- **Moderate**
- **High**
- **Extreme**
**Strategies:**

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

1. **Education & Awareness**
   - All interested parties understand their respective obligations
   - Develop Industry communication & relationship program

2. **Deterrence**
   - All aspects of fishing activity including QMS are fully monitored
   - Enforcement Plan Communication Strategy
   - Enforcement Outcomes Communication Strategy
   - Identify gaps in QMS Integrity and work collaboratively with Industry to identify and implement solutions

3. **Enforcement**
   - Identify participants & methodology of offenders
   - Take appropriate and measured outcomes in response to detected offences
   - Maximise successful prosecutions Outcomes

**Target Outcomes:**

The following target outcomes have been identified:

- Quota Management System integrity maintained
- Minimise quota evasion
- Pest / Disease incursions reported
- Reduce / minimise take of undersize
### Risk and Strategy Matrix

<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</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 = Quota Management System Integrity</td>
<td>1 = Education &amp; Awareness</td>
<td>2 = Quota Evasion</td>
<td>3 = Pest / Disease incursion</td>
<td>4 = Take Undersize</td>
<td>1 = Quota Management System Integrity</td>
</tr>
</tbody>
</table>

#### Risks

1. Quota Management System Integrity
2. Quota Evasion
3. Pest / Disease incursion
4. Take Undersize

#### Strategies

1. Education & Awareness
2. Deterrence
3. Enforcement

#### Coordination Team:

- Yolande Markey (State Coordinator – WZA, CZA and SZA Abalone)
- Limestone Coast – Barry Tarr
- Abalone Fishery Policy Manager – Lianos Triantafillos

#### Risks Addressed

<table>
<thead>
<tr>
<th>x</th>
<th>x</th>
<th>x</th>
<th>x</th>
<th>1 on 1 interactions</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Who</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC</td>
<td>Pre Season</td>
</tr>
</tbody>
</table>

**Initiative:**

**Actions:**

- Update and distribute Fishery User Guide
- Meet with LH’s, RM’s and Fish Processors prior to season. Ensure all have a clear understanding of:
  - Legislative changes impacting coming season
  - Compliance focus for coming season
  - Fishers obligations in respect to completion of Part A of CDR
  - SARDI Catch & Effort returns
  - Pest / disease incursion protocol
- Have interactions with LH’s, RM’s and Fish Processors throughout the season; ensure all remain clear on the rules and their obligations
- Focus on spatial management introduction

**Who:**

- SC, FO’s

**When:**

- Season

**Initiative:**

**Actions:**

- Induct new entrants

**Who:**

- SC

**When:**

- As required

**Initiative:**

**Actions:**

- Induct new entrants

**Who:**

- SC

**When:**

- As required

**Initiative:**

**Actions:**

- Establish liaison & contact with Industry
- Have regular contact with SARDI, Policy, Industry Representatives and Stakeholders.
- Prior to season commencing, communicate forthcoming Compliance focus.
- Attend Industry meetings. Communicate Industry performance. Raise Compliance issues in a timely manner
- Participate in AVG Response Working Group
- Assistance with deceased estates

**Who:**

- Ops Mgr, SC

**When:**

- Ongoing

- Pre Season

- Ongoing
<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></td>
<td>1 2 3 4 1 2 3</td>
<td>x</td>
<td>Audit</td>
<td>Audits to include but not limited to:</td>
<td>FO’s, Licensing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>x</td>
<td></td>
<td>• Identification of CDR irregularities</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Monitor quota balance for exceeding catch</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Checking to ensure CDR’s are completed fully</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Ensure that audit points between Part A and Part B match accordingly</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Compare CDR data against VMS/Prior Reports to ID unreported fishing</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Maintain appropriate business rules for CDR completion so that errors and/or anomalies are detected and followed up accordingly</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• VMS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 2 3 4 x x x x x</td>
<td>x</td>
<td>Field based inspections</td>
<td>Inspections at sea, landing, transit and at Fish Processor</td>
<td>FO’s</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Monitor Victorian Abalone licences landing in Port MacDonnell/SA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 2 3 x x x</td>
<td>x</td>
<td>Regulatory review and revision</td>
<td>Contribute to amendment of legislation and policy where appropriate</td>
<td>SC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Explore technology developments and options to assist in more effective delivery of compliance arrangements (e.g. e-catch)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Media</td>
<td>Utilise media to update on successful prosecution outcomes and disease outbreaks</td>
</tr>
<tr>
<td></td>
<td>1 2 3 x x x x x x</td>
<td>x</td>
<td>Intelligence</td>
<td>Collate and analyse information received through FISHWATCH and stakeholders</td>
<td>SC, Intel Analyst</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 2 3 x x x x x x x</td>
<td>x</td>
<td>Address non-compliance</td>
<td>Investigate instances of non-compliance</td>
<td>FO’s</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FO’s</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 2 3 x x x x x</td>
<td>x</td>
<td>Intelligence driven operations</td>
<td>Develop investigations and carry out targeted operations in line with the Serious Offence Plan</td>
<td>FO’s, SOG</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 2 x x x x</td>
<td>x</td>
<td>Brief Quality Assurance</td>
<td>Briefs of evidence meet evidentiary requirements and are vetted to ensure quality assurance</td>
<td>FO’s, Ops Mgr PSC</td>
</tr>
</tbody>
</table>

**Abbreviations:** FO (Fisheries Officer); Ops Mgr (Regions Operations Manager); SC (State Coordinator); PSC (Prosecution Steering Committee – PIRSA internal), Intel Analyst (Intelligence Analyst – PIRSA internal), PIRSA Comms (PIRSA Communications – PIRSA internal); Licencing (PIRSA Licencing – PIRSA internal)