**Fishery Management Plan Goals:**

1. To ensure sustainable harvests from the giant crab resource
2. To minimise any disruption to the structure, productivity, function and biological diversity of the marine ecosystem, within which the fishery operates.
3. To provide efficient and cost effective management of the fishery.
4. To maximise the economic returns and social benefits associated with the exploitation of the giant crab resource.
5. To ensure equitable distribution of the giant crab resource.

**Compliance risk summary:**

1. **Quota Evasion - PIRSA Risk Rating: LOW (Likelihood – Possible 4, Consequence - Minor 1: Score 4)**

The Giant Crab Quota System requires that all fish taken and subsequently sold or transferred are documented. This is documented by licensed Commercial fishers on a Catch and Disposal Records (CDR) and then by Fish Processors on Giant Crab Sales and Transfer Forms (GCSTF).

The establishment of the individually Transferable Quota system for the first time in the 2002/03 fishing season was in line with the Fishery Management Plan goals and primarily aims to prevent over fishing, which can lead to over exploitation of the biomass and ultimately collapse of the Fishery.

Quota Evasion is the process where a Commercial Fisher takes fish but does not document the fish.

Failing to declare fish is driven by the need for increased income but the likelihood of offending can be influenced by contemporary factors such as rising input costs and positive predicted catches.

Elements of quota evasion include:

- Furnishing false or misleading information on CDR.
- Collusion with Fish Processors as the two licence holders are restricted fish processors and consign to themselves.
- Illegal at sea transfers / Unreported unloading of Giant Crab

Quota Integrity is a term used to describe the legal requirements supporting the Quota Management System (QMS). The Legal requirements (listed below), provide stops, checks and balances for Compliance to confirm that Fishers are documenting all fish that are taken. Subsequently, failing to comply with one or more legal requirements can lead to increased opportunities for Quota Evasion and additionally may result in the use of inaccurate data being used to monitor and/ or manage the Fishery.

Breaches of the Quota Integrity rules will trigger a Compliance investigation to either prove or disprove Quota Evasion. Where Quota Evasion is not indentified, the breach will be documented as a breach of Quota Integrity.

Elements of quota integrity include:

- Fail to prior report within required timeframe
- Ensuring VMS is operational at all times whilst fishing
- Fail to complete daily catch log on CDR
- Errors or omissions on CDR
- Electronic scales integrity


The purpose of minimum legal size limits is to protect juvenile fish and maintain spawning stocks. Should undersize Giant Crab be taken on a large-scale basis, the cumulative effects could be significant in terms of overall Giant Crab biomass sustainability within South Australia.

Elements of take undersized Giant Crab includes:

- Fishers taking Giant Crab under minimum legal size
- Collusion with Fish Processor
- Fishers using incorrect technique to measure
4. **Take protected and non permitted species - PIRSA Risk Rating: LOW (Likelihood – Rare 2, Consequence – Minor 1: Score 2)**

Juvenile recruitment within the Giant Crab Fishery is important in maintaining the biomass at sustainable levels. Given the nature of the fishery, there is potential of non permitted species (ie Rocklobster) being retained through by-catch.

Elements of taking protected and non permitted species can include:

- Fishers failing to return female Giant Crab carrying eggs to the water
- Take of Rocklobster as by-catch
- Collusion with Fish Processor

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

- Taking non-permitted species
- Failure to lodge SARDI catch and effort returns
## Risk Likelihood & Consequence Analysis:

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

### CONSEQUENCES 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**: Affecting recruitment levels of stocks / or their capacity to increase.
- **CATASTROPHIC**: Local extinctions are imminent / immediate.

### 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.

### RISK RATING

- **Negligible**
- **Low**
- **Moderate**
- **High**
- **Extreme**
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. All aspects of Quota Management System and VMS are fully monitored
2. Enforcement Plan Communication Strategy
3. Enforcement Outcomes Communication Strategy
4. 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 System

Target Outcomes

1. Quota Management System Integrity Maintained
2. Minimise Quota Evasion
3. Reduce Take of Protected and Non Permitted Species
4. Minimise Take of Undersize
## Risks

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<td>4 = Protected / Non Permitted Species</td>
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## Strategies

1 = Education & Awareness  
2 = Deterrence  
3 = Enforcement

## Coordination Team

Limestone Coast = Chris Amezdroz (State Coordinator)  
Central South = Marg Rowley  
Policy Manager = Annabel Jones

<table>
<thead>
<tr>
<th>Risks Addressed</th>
<th>Strategies</th>
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Abbreviations: FO’s, Fisheries Officers; SR, Southern Ranger; SC, State Coordinator; RC, Regional Coordinator; SOG, Special Operations Group; PSC, Prosecution Steering Committee (PIRSA internal)