



Fisheries New Zealand

Tini a Tangaroa

Aotearoa New Zealand Pāua Fishery Research Programme

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What I'm going to cover

- Overview and purpose of the pāua research programme
- Fisheries objectives and management tools
- The pāua research programme
- Future development



Overview and purpose of the pāua research programme



Overview

- In 2015, MPI (Julie Hills) and the members of the Shellfish Working Group developed a pāua fishery research programme.
- Its purpose is to design, implement, manage and coordinate research relevant to the pāua fishery in New Zealand.
- It is aimed at everyone who has an interest in the pāua fishery in Aotearoa New Zealand.
- We are currently updating it and planning to add more information.
- It will be a live document synthesising pāua research over a five-year horizon.



Purpose of the pāua research programme

- The document provides an in-depth understanding of the pāua research programme by:
 - explaining why research is undertaken in the pāua fishery;
 - describing the fishery management objectives;
 - describing the tools that are used to manage the pāua fishery;
 - describing how decisions on how best to implement the management tools are informed by research;
 - describing past, current and future research, and;
 - describing the pāua quota management areas.



Purpose of the pāua research programme

- Research projects included in this programme include those that will:
 - provide reliable estimates of abundance and stock status;
 - improve our understanding of the dynamics of the pāua fishery;
 - evaluate if fisher behaviour is reflective of pāua abundance and enable the development of reliable abundance indicators (Performance Indicators);
 - reliably monitor stock abundance in a timely manner using the performance indicators; and,
 - test different management scenarios.



Fisheries objectives and management tools



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Fisheries Act 1996

Overall objective:

To provide for the utilisation of fisheries resources while ensuring sustainability



Fit for a Better World

Overall objective:

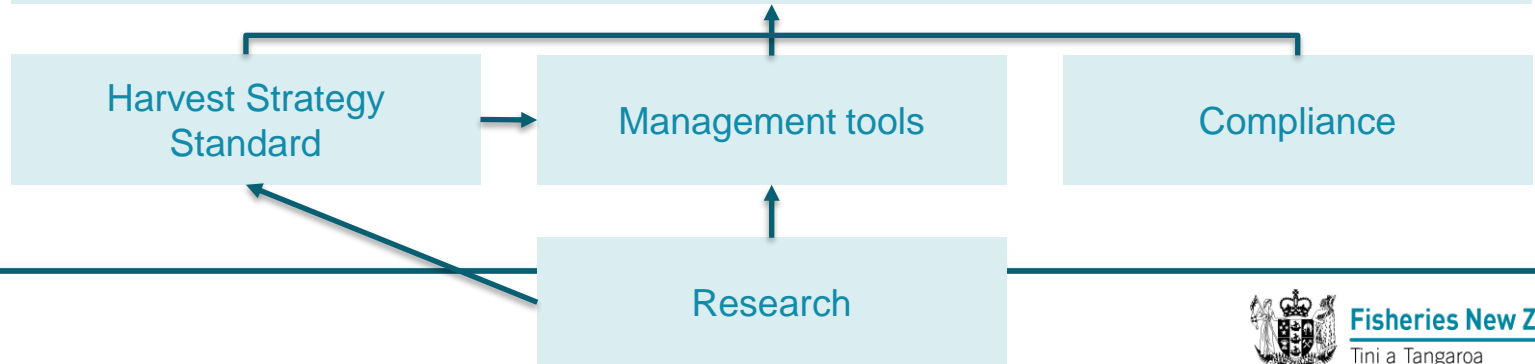
To accelerate our economic potential



Draft National Fisheries Plan for Inshore Shellfish (2011)

Pāua fisheries objectives:

1. Maximise the overall social, economic and cultural benefits obtained from each stock
2. Maintain biomass of each stock at or above B_{MSY} (or accepted proxy)



Legislative, regulatory and voluntary management tools

TAC/TACC

Apply to all sectors of the fishery

Minimum Legal Size

Applies to the commercial and recreational fishers

Bag limit and accumulation limit

Apply to the recreational fishers

Hand gathering

Applies to all sectors of the fishery

Customary Permits

Apply to customary fishers

Customary fishery tools

Apply to all sectors of the fishery

Voluntary Management Strategies

Apply to commercial fishers

Harvest control rule management procedure

- Have started to be used as a management tool.
- Management strategy, pre-agreed by stakeholders.
- Management decisions about adjustments to prespecified management tool(s) are made directly in response to changes in the stock status, as indicated by an agreed stock performance indicator.
- Management procedure enables more rapid management responses to apparent changes in stock status.



The pāua research programme



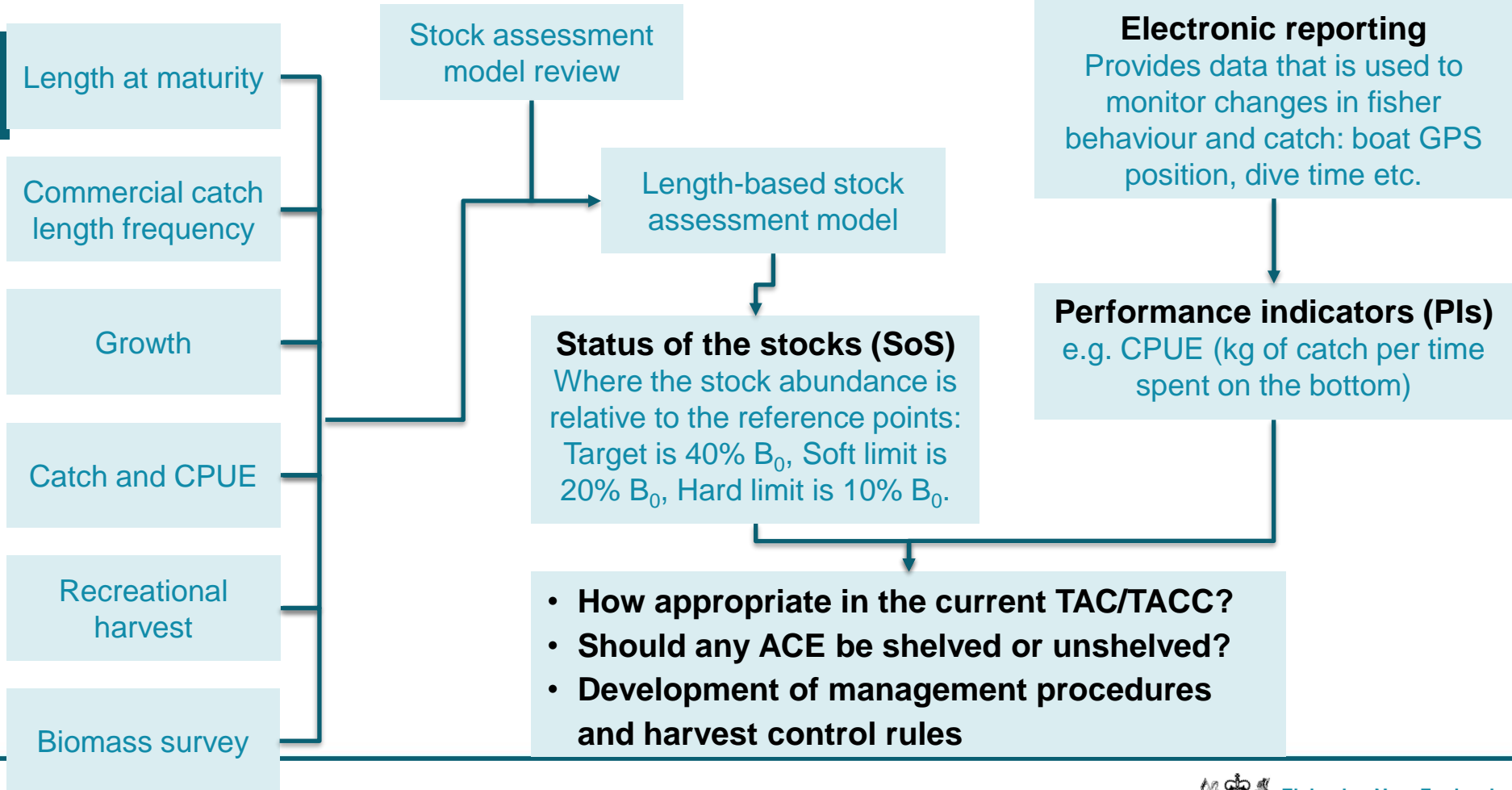
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The pāua research programme

- The research relevant to the pāua fishery is mainly driven by several broad fishery management questions. These are:
 1. Is the current biomass level adequate to allow for sustainable utilisation?
 2. Can fishery management tools be implemented more effectively to achieve fishery management objectives?
 3. Could new management tools be developed to help achieve fishery management objectives?





Future development



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New information we want to add

- Research that supports customary management.
- Research conducted in NZ but not funded by FNZ.
- Research conducted overseas.
- Research on ocean climate change and its effects.
- Research related to aquaculture.



We need your help

Help us make this a living document that everyone can use!

- What have we forgotten in our plan?
- What are your concerns over the next 5 years?
- What are your research plans over the next 5 years?



Pātai - Questions



Ngā mihi - Thank you

Contact me to discuss further:
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