



Australian Government

Australian Fisheries Management Authority

Draft Conservation and Management Measure

On Establishing a Harvest Strategy for Key Tuna Species in the Western and Central Pacific Ocean

Trent Timmiss



Objectives and Principles

The draft CMM:

- seeks to establish a process to develop and implement a management framework based on a harvest strategy approach for each fishery under the purview of the Commission
- The aim of the CMM is to ensure the Commission has a structured, evidence-based decision making process informed by scientific assessment outcomes.



Harvest Strategy elements- Management Objectives

Existing work

- Two workshops
- Reports to the Commission
- Lists of possible objectives

Further work

- Further workshops (including background analysis)
- Operational objectives

Harvest Strategy Elements – Performance Indicators

Existing work

- MSY indicators for both biomass and fishing mortality already used (eg Kobe plots)
- Discussion of CPUE indicators for South Pacific Albacore

Future work

- SC to recommend appropriate indicators of management performance

Harvest Strategy Elements – Reference Points

Existing work

- Commission agreed limit reference points for 4 species
- Proposed target reference point for Skipjack Tuna

Proposed Work

- SC to propose appropriate reference points for each fishery
- WCPFC to agree

Harvest Strategy Elements – Acceptable Levels of Risk

Existing work

- Agreed level of risk for 4 limit reference points

Proposed work

- SC to recommend appropriate options for appropriate levels of risk
- WCPFC to make a decision on levels of risk

Harvest Strategy Elements – Monitoring Strategy

Existing monitoring components

- VMS
- Catch and effort data
- Observer programs
- Port monitoring
- Tagging
- Stock assessments by Science Provider

Proposed work

- Develop strategy to ensure reporting against RPs

Harvest Strategy Elements – Harvest Control Rules

Existing work

- No formal harvest control rules adopted

Proposed work

- Development and agreement on harvest control rules designed to meet management objectives

Harvest Strategy Elements – Management Strategy Evaluation

Existing work

- Some projections of implications of current management by Scientific Provider

Proposed work

- Formal evaluation of proposed strategies to ensure they will meet objectives

Indicative Timeline Example – South Pacific Albacore



The Way Forward

- Agreement by the Commission to develop and formally implement a management framework based on a harvest strategy approach
- How and where should the Commission be undertaking this work (e.g. MOWs, technical working groups)?
- When should the work be undertaken?
- Who can assist in funding and delivering this work?
- How are priorities for the workplan decided?



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Any Questions?

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