



FFA PROPOSAL FOR TARGET REFERENCE POINT FOR SKIPJACK TUNA

DP06

UPDATE



- Outcome of a stream of work over several years
- presented to WCPFC11 but was not adopted
- presented to SC11 and TCC11
- revised to take into account comments made by Commission members at WCPFC11, SC11 and TCC11
- now an FFA proposal
- additional work on purse seine CPUE dynamics (WP03)
- also on example SKJ Harvest control rules (IP03)
- widespread support – questions are more about application
- FFA and Japan proposals now broadly aligned
- some issues remain with the text

Objectives



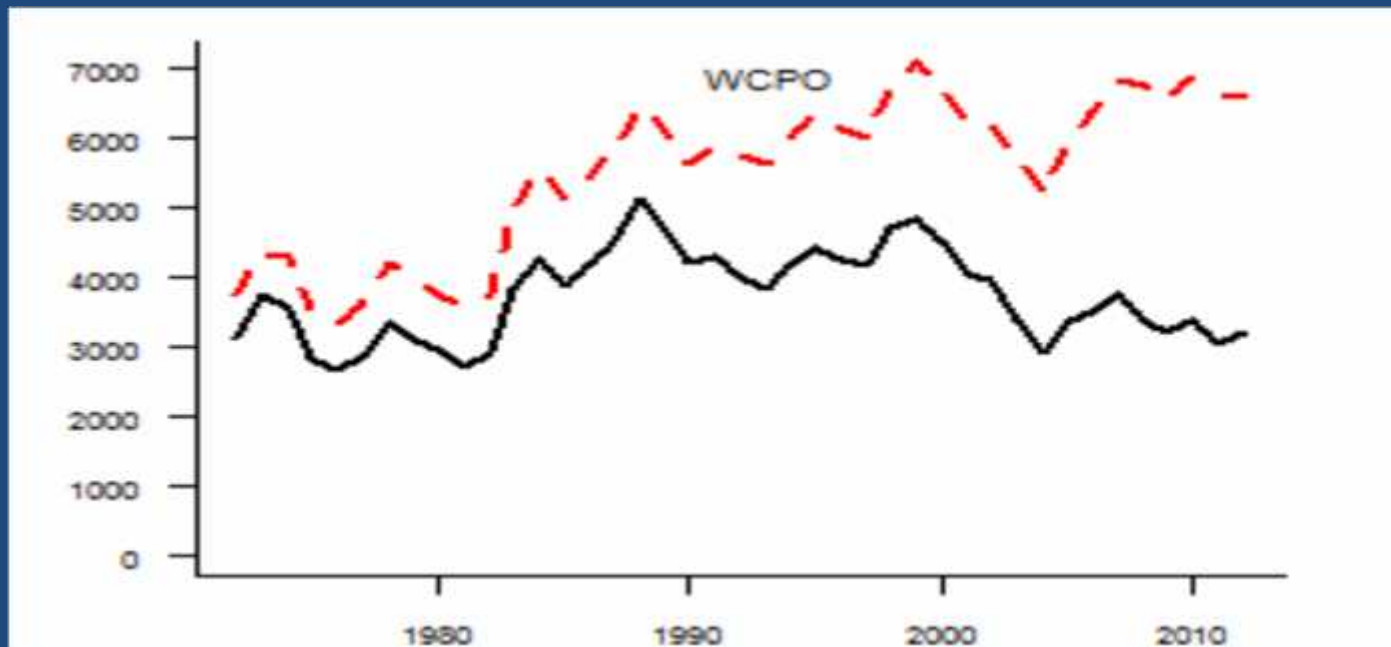
Meets these objectives (para 19, DP06)

- resource sustainability,
- economic goals;
- Stability
- being risk adverse,
- avoiding additional impacts on other fisheries for skipjack
- avoiding additional impacts on other target stocks and non-target species

Approach



- The proposed target stock level is 50% of the estimated recent spawning biomass without fishing, $SB_{F=0,t1-t2}$
- Recent means estimated over the last ten years used in the most recent assessment
E.g 2014 assessment, use 2002-2011



Spawning Biomass with and without Fishing

Comparison of some Indicators



Median depletion level (%SBF=0)	Change in spawning biomass from 2012 levels	Change in effort from 2012 levels	Median equilibrium yield (%MSY)	Mean size of fish (cms)*
60%	+22%	-33%	76%	54
50%	+2%	0	90%	53
40%	-18%	+50%	98%	52

Some Observations



- Is proposed as an interim/initial TRP
- will be applied in assessment of the stock and in reporting on management advice and implications by the SC
- will provide a basis, with the adopted LRP for skipjack, for the Commission to proceed with the development of HCRs related to skipjack
- expected to require moderate reductions in purse seine effort over time, at least to adjust for effort creep.
- Nearly double B_{MSY}
- “around current levels” generally meets objectives
- Its about benefiting from improved decision-making

Outstanding Text Issues



1. Nature of the TRP - initial/interim
2. Relationship to the HCR and fishing mortality
3. References to spatial impacts/range contraction
4. Review process

LET'S GET IT DONE