



Agenda item 5

MP design and MSE considerations:

SPC straw-person outline for MP evaluations

WCPFC BMW01
Online

SPC-OFP
20-21 May 2026

2026 timeline – mixed fishery MP development

Activity	April	May		June	July	August	September	October	November	December
MSE analyses based on WCPFC22 guidance										
Paper deadline for BMW01										
BMW01										
Analyses after BMW01										
Paper deadline for SC22										
SC adopts BET and YFT OMs										
SC provides technical advice										
Limited additional analyses prior to BMW02										
Paper deadline for BMW02										
TCC22										
Potential BMW02 provides guidance										
Limited additional analyses after BMW02										
Paper deadline for WCPFC23										
WCPFC23 adopts BET MP										

Scientific analyses feeding into the process

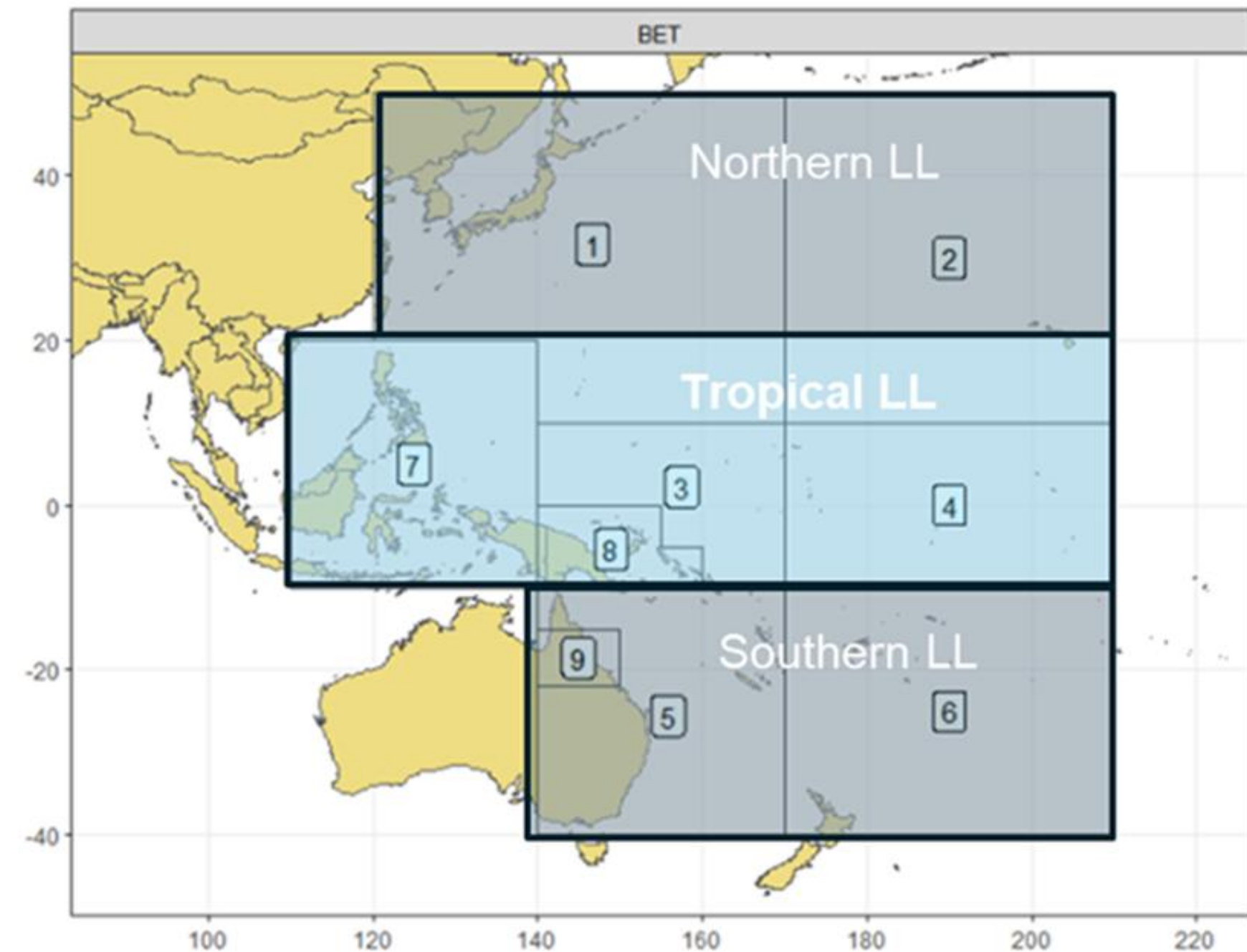
Management advice from WCPFC bodies

BMW01 guidance on BET TRPs

- WCPFC21 – identified 3 candidate TRPs for BET
- may be implemented as target or threshold TRPs with “some probability of being at or above ...”
 - 2012-2015 SB/SBF=0 target TRP 50%
 - 0.94 x 2012-15 SB/SBF=0 target TRP 50% Threshold TRP 60%, 65%, 70%
 - 1.06 x 2012-15 SB/SBF=0 target TRP 50%

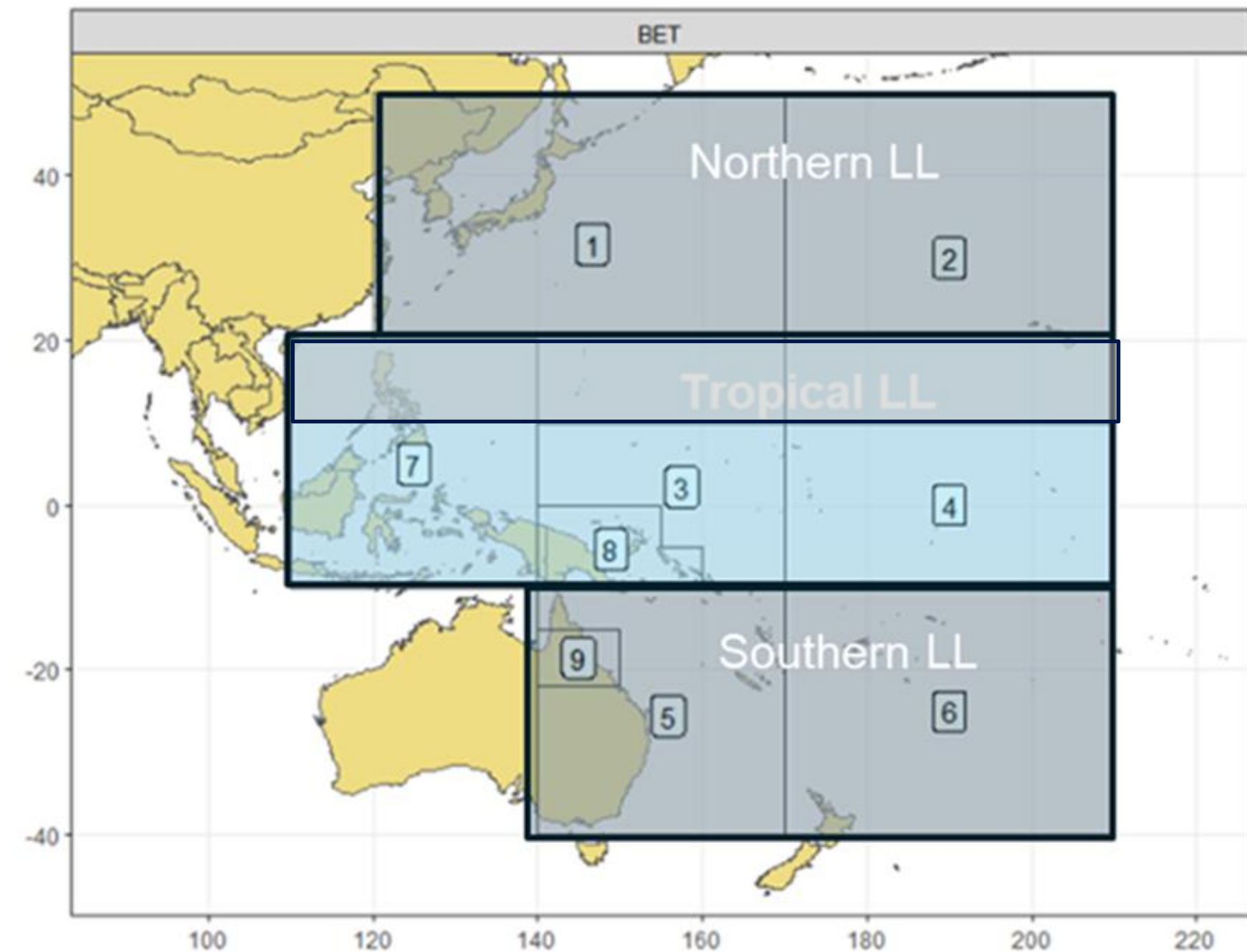
BET MP: spatial range (TLL 20°N)

Fishery	Proportion of BET catch
Tropical longline	0.27
Northern longline	0.06
Southern longline	0.05
Purse seine	0.45
Pole and line	0.01
Other	0.15



BET MP: spatial range (TLL 10°N)

Fishery	Proportion of BET catch
Tropical longline	0.22
Northern longline	0.11
Southern longline	0.05
Purse seine	0.45
Pole and line	0.01
Other	0.15



BET MP – decision points & proposed approach

Decision point	Proposed Approach
Spatial range of the MP	Option 1 – TLL only (20°N) Option 2 – NLL + TLL <i>SLL controlled by SPA MP – effort management in some fisheries</i> clarify inclusion of overlap area
Fisheries to be managed by the BET MP	<i>Largely determined by point 1.</i>
Shape and operation of the HCR	Hillary step – LL outputs catch (tonnes) – <i>no baseline required</i> PS FAD closure outputs weeks <i>Interpolation for both</i>
Duration of management period	3-year period (2 year data lag).
Assumed future fishing levels of BET in fisheries not controlled by the BET MP	PS-PL-ID/PH/VN – SKJ MP; SLL – effort consistent with SPA MP ID domestic – 2016-18 robustness and sensitivity
Candidate performance indicators, noting that a smaller set of indicators is preferred to facilitate decision making	SB/SBF=0, proximity TRP; risk LRP; catch var.; effort var; CPUE (vulnB); F/FMSY; MSY. <i>[impact plots – information provided separately]</i>
Output controls of the BET MP – LL catch or effort; PS closure period. Change increments	LL catch; FAD closure period weeks.
Meta rules – e.g. constraints on maximum change in fishing levels between management periods.	Negotiated outcome – constraints captured in final agreement

BET MP: performance indicators

1. Stock status in the WCPFC-CA (SB/SBF=0)
2. Proximity to TRP (threshold - prob $>$ TRP)
3. Probability SB/SBF=0 $<$ LRP
4. Expected BET catch for fisheries managed through the BET MP
 1. separated for LL and PS ?
5. Expected vulnerable biomass (proxy for catch rates) for LL fisheries managed through BET MP
6. Catch variability for fisheries managed through BET MP.
 1. Separated for LL and PS ?
7. Effort variability for fisheries managed through BET MP
 1. Separated for LL and PS ?
8. F relative to FMSY
9. MSY