

TWELFTH REGULAR SESSION

Bali, Indonesia 3-8 December 2015

Synopsis of SC11 Summary Report

WCPFC12-2015-17b 29 November 2015

Para No.	SC11 Decisions and Recommendations	Potential Commission Actions		
Progr	Progress report on Project 35 (Refinement of bigeye parameters Pacific-wide)			
172	SC11 recommends that funding be continued to maintain the Project 35 Bigeye Biology and WCPFC Tuna Tissue Bank, with particular emphasis on WCPO bigeye, yellowfin, and skipjack tunas. SC11 also recommends that the Commission adopt the "WCPFC Tissue Bank Access Protocols" developed within Project 35 and modified by ISG-2 at SC11 (Attachment D).	Approve continuation of Project 35 (maintenance of tissue bank) and adoption of WCPFC Tissue Bank access protocol		
173	SC11 recommends that funding be provided for the analysis of Project 35 Tissue Bank samples, with a short-term focus on characterizing spatial and temporal variation in the growth of bigeye tuna.	Endorsement		
Evalu	ation of North Pacific blue shark as a northern stock	L		
341	SC11 noted that ISC provided a bibliography of studies undertaken on North Pacific blue sharks. SC11 also noted that it is important for ISC, in collaboration with SPC, to continue to work to provide information regarding the stock distribution north and south of 20°N in order to enable the SC to provide a recommendation to the Commission about whether this should be considered a northern stock.	The Commission to note		
North	Pacific striped marlin			
373	SC11 expressed concerns about the updated stock status of WCNPO striped marlin, noting that the stock was overfished (SSB ₂₀₁₃ at 61% below SSB _{MSY}) and that overfishing was occurring ($F_{2010-2012}$ exceeds F_{MSY} by 49%). Although a LRP for billfish species has not been adopted by the WCPFC, SC11 noted that SSB _{current} /SSB _{current,F=0} = 0.12 and is below the LRP adopted for tunas. SC11 also noted that projections indicate that Prob(SSB ₂₀₂₀ >SSB ₂₀₁₅)<50% for all constant catch scenarios over 2,850 mt (under the three recruitment hypotheses modelled), which means that in order to allow the spawning biomass to rebuild then catches need to be reduced to less than 2,850mt.	The Commission to note the current stock status of NP striped marlin		

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374	SC11 recommends that the Commission develop a rebuilding plan for North Pacific striped marlin with subsequent revision of CMM 2010-01 (CMM for	The Commission to accept
	NP striped marlin) in order to improve stock status.	1
Indep	endent review of stock assessments	
386	SC11 recommends that the Secretariat develops a proposal to establish a	The Commission
200	formal process and its cost implication to independently review stock	to endorse
	assessments. This proposal will be presented to SC12.	to endorse
Impli	cations of alternative levels of acceptable risk	
<u>390</u>	Noting that SC10 had considered levels of risk associated with breaching the	The
390	LRP within the range 5-20%, that the identification of acceptable risk is a	Commission's
	management issue, SC11 reaffirmed the recommendation made by SC10 that	decision on risk
	•	
	WCPFC12 identify the level of acceptable risk which should be applied to	levels
	breaching a LRP for the key target species, noting that the UN Fish Stocks	
71 /	Agreement states that the risk of exceeding LRPs should be very low.	
	fying appropriate LRPs for elasmobranchs within the WCPFC	
394	SC11 noted the work undertaken in support of identifying appropriate LRPs	The Commission
	for elasmobranchs within the WCPFC, in particular the report of the Pacific	to support
	shark life history Expert Panel Workshop (SC11-EB-IP-13) and that other	
	work necessary to identify and support the development of LRPs for sharks	
	has been included in the updated shark research plan. SC11 recommends that	
	the WCPFC12 continues to support this work.	
10	ick and yellowfin tuna purse-seine associated and unassociated set effort	
456	Noting the request in paragraph 584 of the SC10 report, SC11 reviewed	The Commission
	working paper SC11-MI-WP-05 which analysed the relative impact of	to endorse further
	associated and unassociated set types on skipjack tuna stock status. Results	analyses on purse
	indicated that skipjack stock status is relatively insensitive to the proportions	seine set types
	of associated or unassociated sets of purse seine effort, with slight benefits to	
	stock status with a higher proportion of unassociated sets. In addition, SC11	
	noted that the analyses had assumed a linear relationship between CPUE and	
	stock abundance (potentially unrealistic in purse seine fisheries) and had not	
	taken account of effort creep in purse-seine effort, for both associated and	
	unassociated sets. SC11 also noted that a decrease in days searching and an	
	increase of days in transit in logbooks might partially explain the increased	
	CPUE observed. SC11 recommends that WCPFC12 take note of this paper	
	and that further analyses be undertaken taking into account the issues	
	identified above.	
492	SC11 reviewed working paper SC11-MI-WP-09 which analysed the relative	
	impact of associated and unassociated set types on yellowfin tuna stock	
	status. SC11 advises WCPFC12 that based on the results of the analyses	
	described in this paper yellowfin tuna stock status in the WCPO is relatively	
	described in this paper yellowfin tuna stock status in the WCPO is relatively insensitive to whether purse seine effort is comprised of mainly associated	
	insensitive to whether purse seine effort is comprised of mainly associated sets or unassociated sets and these results are consistent with working paper	
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	insensitive to whether purse seine effort is comprised of mainly associated sets or unassociated sets and these results are consistent with working paper SC10-MI-WP-05. SC11 also noted that a slightly better stock status (higher spawning biomass) for yellowfin tuna and slightly lower average catch of	
	insensitive to whether purse seine effort is comprised of mainly associated sets or unassociated sets and these results are consistent with working paper SC10-MI-WP-05. SC11 also noted that a slightly better stock status (higher spawning biomass) for yellowfin tuna and slightly lower average catch of yellowfin tuna occurred when purse seine effort compositions favoured	
	insensitive to whether purse seine effort is comprised of mainly associated sets or unassociated sets and these results are consistent with working paper SC10-MI-WP-05. SC11 also noted that a slightly better stock status (higher spawning biomass) for yellowfin tuna and slightly lower average catch of	

Other issues related to CMM 2014-01			
511	SC11 reviewed analyses undertaken to estimate potential tropical purse seine fleet sizes given existing effort limits and candidate target stock levels (SC11-MI-WP-10). SC11 noted that these analyses are an important contribution to the development of a purse seine capacity management scheme for the WCPFC and supported further work to identify patterns of participation by full-time and part-time vessels within the fishery, the need to relate both participation and effort creep to vessel characteristics, and the expansion of similar analyses to the longline fleets. SC11 recommends that WCPFC12 take note of these preliminary analyses and requests the Commission identity any specific analyses which may assist the Commission's consideration of fleet capacity.	The Commission to identify any specific analyses to assist consideration of fleet capacity	
Spatia	I Ecosystem and Population Dynamics Model (SEAPODYM)		
527	 SC11 recommends that: a. the Commission/WCPFC12 acknowledge the funding received from ISSF for an external review of the SEAPODYM project and further notes the outcomes from that review will assist the Commission in evaluating potential applications and future directions. 	Commission acknowledge ISSF's funding for the review of SEAPODYM,	
	b. the Commission/WCPFC12 provide guidance to the SC on whether they would like the SC to move forward with the further development of ecosystem indicators for possible incorporation in the MOW process, building on the work of other international fisheries bodies, e.g. ISC and ICAAT.	and endorse further development of ecosystem indicators	
	v of potential mitigation measures to reduce fishing-related mortality on silky o ip sharks	and oceanic	
544	 SC11 recommends that the Commission: a. Consider the Monte Carlo analysis of longline shark mitigation methods (e.g. hook type, leader material, non-deployment of shallow hooks, and a prohibition on shark lines) presented in SC11-EB-WP-02, in order to inform WCPFC12's further consideration of revising shark CMMs to incorporate shark mitigation requirements that reduce catch rates and at-vessel mortality. b. Note the Monte Carlo simulations run presented in EB-WP-02, which showed that given the model assumptions, banning wire trace and shark lines would further reduce fishing mortality of oceanic whitetip and silky sharks by longline compared to the current choice between the two mitigation measures. c. Note that the Monte Carlo mitigation model and its inputs can be improved through an increase in available observer data and more studies on post-release survival rates for key shark species. d. Request that the Monte Carlo simulation work be expanded to a) account for flag-state choice between prohibition of shark lines and/or of wire leader with respect to CMM 2014-05, b) additional modeling of combinations of available mitigation options, and c) inclusion of purse seine fisheries to assess the effects on fishing mortality of sharks when effort on FAD sets was re-distributed to unassociated sets. e. Request that CCMs quantify and describe longline gear configuration inputs and provide these to SPC to inform the Monte 	The Commission endorse further work on Monte Carlo mitigation analysis	

СММ	2010-07 (CMM for Sharks)	
553	SC11 recommends that the Commission:	Commission to
	a) SC11 was able to review the ratio of fin weight to shark carcass	note
	weight from one study (SC11-EB-IP-03). This study demonstrated	
	that shark fin weight data suffered from some serious limitations,	
	potential biases and errors. SC11 was unable to confirm the validity	
	of using a 5% fin to carcass ratio in CMM 2010-07 and forwards	
	these concerns to TCC, noting that an evaluation of the 5% ratio is	
	not currently possible due to insufficient information for all but one	
	of the major fleets implementing these ratios.	
	b) Notes that according to the most recent information provided by	
	SPC, finning still occurs in the Convention Area.	
	c) Notes that information which can be used to evaluate the	
	effectiveness of the WCPFC ban on shark finning (CMM 2010-07)	
	is currently very limited.	
	d) Encourages CCMs to gather and submit information on the	
	implementation of CMM 2010-07, including data on fin to carcass	
	ratios where CCMs apply that approach, to the Secretariat, in their	
	AR-Part 2 reports or other formats, in order to support future	
	evaluation.	-
	2012-04 (CMM for protection of whale sharks from purse seine fishing operat	
572	SC11 recommends that WCPFC12 adopt the guidelines for safe release of	Adoption of the
	encircled animals including whale sharks as contained in the ISG-4 report	guidelines
	(Attachment F) and recommends that TCC11 provide any additional	
CMM	considerations for the Commission's decision.	
581	2014-05 (CMM for sharks)	Doguest to
301	After considering the shark management plans submitted by Japan and Chinese Taipei - in accordance with paragraph 2 of CMM 2014-05, review	Request to improve CMM
	by SC11 was made difficult due to the lack of guidance on what should be	2014-05 (shark
	incorporated into the shark management plans, what is considered a target	management
	fishery, and how the review should be performed. SC11 recommends that the	plan)
	Commission:	pluity
	a) Consider development of a list of minimum requirements that such a	
	plan should include, guidelines to evaluate such a plan, and the	
	definition of a target shark fishery for future review by SC, TCC and	
	the Commission;	
	b) Notes the need for plans to contain species specific information and	
	a rationale for how catch, effort or capacity limits are derived,	
	amongst other minimum requirements.	
	tors for key shark species	
599	Recognizing that the analysis on north Pacific blue shark and north Pacific	The Commission
	shortfin make shark did not cover some data used in the ISC analysis on	to endorse:
	these stocks, SC11 recommends that the Commission:	1) several
	a) Notes the results of analysis described in paper EB-WP-04 are useful	technical
	for prioritizing the stock assessment of the various shark stocks.	suggestions to
	b) Take note of the following recommendations from the SC:	improve shark
	• Increase observer monitoring (at least to CMM requirements) in	stock assessment,
	order to:	and 2 SPC to reaction
	 Support to develop stock assessments Monitor the impact of CMMa 	2) SPC to review
	 Monitor the impact of CMMs 	available

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	 Reconcile differences in logbook and observer reporting 	information on
	• Develop a stock assessment schedule	mobulid species
	 Develop catch histories for unassessed stocks 	
	• Collect information on post release mortality rates, especially for	
	silky, oceanic whitetip and whale sharks	
	• Develop a time series of whale shark interactions and	
	mortalities.	
	• Repeat the indicator analysis in 2-3 years.	
	c) Requests that SPC be tasked with reviewing available information	
	on mobulid species (mantas and devil rays) and their interactions	
	with fisheries managed by the WCPFC and prepare a paper for SC12	
	for consideration of these species for designation as WCPFC key	
	sharks.	
	d) Notes that there are limitations imposed on shark analyses due to	
	low levels of observer coverage and lack of representativeness in the	
	observer data.	
Shark	Research Plan 2016-2020 and stock assessment schedule	
612	SC11 adopts the Shark Research Plan and Stock Assessment Schedule	The Commission
	(Attachment H) and recommends that WCPFC12 endorses it.	to endorse
Risk o	f seabird bycatch	
638	SC11 recommends that the Commission take note of SC11-EB-WP-09 (The	The Commission
	overlap of threatened seabirds with reported by catch areas between 25° and	to note the
	30° South in the WCPFC area).	proposed
		geographical
		changes
Devel	ppment of the 2016 Work Programme and budget, and projection of 2017-2018	U
	amme and indicative budget	provisional work
693	SC11 adopted the SC work programme and budget as shown in Table 1.	Refer to FAC's
075	Total budget for 2016 is \$1,732,200.	report
Admin	nistration matters	
699	Aisake Batibasaga (Fiji) was nominated and accepted by SC11 as the SC	Endorsement
and	Vice-Chair, and Indonesia confirmed to host SC12 in Bali, Indonesia,	
700	scheduled to take place from 3-11 August 2016.	
-	ion of SC11 Summary Report	
703-	The SC11 Summary Report was adopted intersessionally.	The Commission
704	The serr summing report was adopted intersessionary.	to accept SC11
704		Summary Report
		Summary Report