

**The Commission for the Conservation and Management of
Highly Migratory Fish Stocks in the Western and Central Pacific Ocean
Northern Committee
Sixteenth Regular Session
Electronic Meeting
8 September 2020**

WORK PROGRAMME FOR THE NORTHERN COMMITTEE

Work areas	Objectives	annual tasks		
	2022 1 -2024 3	2022 1	2023 2	2024 3
<p>1. <u>Target</u> species Northern stocks</p> <p>a. Monitor status; consider management action</p>	<p>Review status and take action as needed for: <u>North Pacific albacore</u></p> <p>Tasks (A) Review members' reports on their implementation of CMM 2019-03.</p> <p>(B) Implement the Interim Harvest Strategy, including: (1) monitor if LRP is breached; (2) continue to work to establish <u>reference points</u> TRP and other elements of harvest strategies, if appropriate based on MSE; (3) recommend any changes to CMM.</p> <p><u>Pacific bluefin tuna</u></p>	<p>Review the compiled members' reports and identify and rectify shortcomings.</p> <p><u>Based on MSE results, consider retention or modification of LRP and consider establishment of TRP</u> Continue to support ISC MSE work to complete Task (B)(2).</p> <p>Review the 2020 stock assessment results and recommend any necessary changes to CMM. (Task (B) (3)).</p>	<p>Review the compiled members' reports and identify and rectify shortcomings.</p> <p><u>Further development of harvest strategy including establishment of harvest control rule and threshold reference point</u> Continue to support ISC MSE work to complete Task (B)(2).</p> <p>Recommend any necessary changes to CMM (Task (B) (3)).</p>	<p>Review the compiled members' reports and identify and rectify shortcomings.</p> <p>Continue to <u>further development of harvest strategy</u> support ISC MSE work to complete Task (B)(2).</p> <p>Obtain the new assessment results from ISC and recommend any necessary changes to CMM. (Task (B) (3)).</p>

Work areas	Objectives	annual tasks		
	2022 1 –2024 3	2022 1	2023 2	2024 3
	<p>Tasks</p> <p>(A) Review members’ reports on their implementation of CMM on Pacific bluefin tuna.</p> <p>(B) Implement the Harvest Strategy including: (1) monitor probabilities of initial and second rebuilding targets being achieved on schedule; (2) continue to work to establish LRP, TRP and other elements of harvest strategy, if appropriate based on MSE; (3) recommend any changes to CMM; (4) support <u>harvest strategy MSE</u> development, including stakeholder workshops, considering recommendations of the NC-IATTC Joint Working Group on the Management of Pacific Bluefin Tuna (JWG).</p> <p>(C) Develop CDS</p>	<p>Review the compiled members’ reports and identify and rectify shortcomings.</p> <p>Review the 20220 stock assessment results and recommend any necessary changes to CMM. (Task (B) (3)).</p> <p>Work in the JWG <u>to further develop harvest strategy through identification of performance criteria to evaluate in its oversight of MSE, including further consideration of candidate LRPs, TRPs, and HCRs, and further development of the objectives and performance criteria to be used in the MSE.</u></p> <p>Explore means of supporting the MSE and its oversight by the JWG, including funding and in-kind support.</p> <p>Develop CDS based on the inputs from members and recommendations of the JWG, including a draft CMM.</p>	<p>Review the compiled members’ reports and identify and rectify shortcomings.</p> <p><u>Obtain work results from ISC and recommend any necessary changes to CMM on Pacific bluefin tuna.</u> Obtain the results of assessment and other scientific work from ISC and recommend any necessary changes to CMM on Pacific bluefin tuna (Task B(3)).</p> <p>Work in the JWG <u>to further develop harvest strategy in MSE development.</u></p> <p>Develop CDS based on the inputs from members and recommendations of the JWG, and further develop a draft CMM if needed.</p>	<p>Review the compiled members’ reports and identify and rectify shortcomings.</p> <p>Obtain work results from ISC and recommend any necessary changes to CMM on Pacific bluefin tuna. <u>Review the 2024 stock assessment results and recommend any necessary changes to CMM. (Task (B) (3)).</u></p> <p>Work in the JWG <u>to further develop harvest strategy in MSE development.</u></p>

Work areas	Objectives	annual tasks		
	2022 – 2024 ³	2022 ¹	2023 ²	2024 ³
	<p><u>Swordfish</u> Further develop the harvest strategy consistent with CMM 2014-06, including consideration of a target reference point and associated harvest control rule.</p> <p><u>Striped marlin</u></p>	<p>Consider and recommend appropriate TRP and associated HCR, and develop a draft CMM.</p> <p>Review information from ISC</p>	<p>Consider and recommend appropriate TRP and associated HCR, and develop a draft CMM.</p> <p>Review information from ISC</p>	
b. Data	<p><u>Blue shark</u></p> <p>Achieve timely submission of complete data needed for assessments, formulation of measures, and review of Commission decisions.</p> <p>Consider systems to validate catch data</p>	<p><u>Review the 2022 ISC stock assessment results.</u></p> <p><u>Consider an appropriate LRP taking into account discussions at SC.</u></p> <p>CCMs participating in the NC submit complete data on fisheries for northern stocks to the Commission.</p> <p>Encourage submission to Commission of Pacific bluefin tuna, North Pacific albacore, North Pacific striped marlin, and swordfish data from all CCMs and make available to ISC.</p>	<p><u>Consider appropriate TRP and associated HCR.</u></p> <p>CCMs participating in the NC submit complete data on fisheries for northern stocks to the Commission.</p> <p>Encourage submission to Commission of Pacific bluefin tuna, North Pacific albacore, North Pacific striped marlin and swordfish data from all CCMs and make available to ISC.</p>	<p><u>Consider appropriate TRP and associated HCR.</u></p> <p>CCMs participating in the NC submit complete data on fisheries for northern stocks to the Commission.</p> <p>Encourage submission to Commission of Pacific bluefin tuna, North Pacific albacore, North Pacific striped marlin and swordfish data from all CCMs and make available to ISC.</p>
c. Scientific support	<p>Provide support for scientific studies.</p>	<p>Encourage voluntary contribution for NC’s list of</p>		

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	20221 –20243	20221	20232	20243
		priority scientific projects, including close-kin analysis.		
2. Non-target, associated, dependent species				
a. Seabirds	Evaluate effectiveness of current measures to minimize catch and mortality, and improve them as needed.	Review implementation of CMM 2018-03 in the northern area. With input from the SC, evaluate the design of tori lines for small longline vessels in North Pacific and consider improvements as needed.	Review implementation of CMM 2018-03 in the northern area.	Review implementation of CMM 2018-03 in the northern area.
b. Sea turtles	Consider appropriate implementation of methods to minimize catch and mortality.	Review mitigation research results and consider management action.	Review mitigation research results and consider management action.	Review mitigation research results and consider management action.
c. Sharks	Consider appropriate implementation for CMM 2019-04 in the northern area.	Review scientific advice from ISC, if any, and consider management options as necessary on two shark species (blue shark and short fin mako shark). Encourage submission of all shark data to ISC.	Review scientific advice from ISC, if any, and consider management options as necessary on two shark species (blue shark and short fin mako shark). Encourage submission of all shark data to ISC.	Review scientific advice from ISC, if any, and consider management options as necessary on two shark species (blue shark and short fin mako shark). Encourage submission of all shark data to ISC.
3. Review effectiveness of decisions	Annually review effectiveness of conservation and management measures and resolutions applicable to fisheries for northern stocks.	Review effectiveness of North Pacific albacore measure (CMM 2019-03), including members' reports on their interpretation and implementation of fishing effort control.	Review effectiveness of North Pacific albacore measure (CMM 2019-03), including members' reports on their interpretation and implementation of fishing effort control.	Review effectiveness of North Pacific albacore measure (CMM 2019-03), including members' reports on their interpretation and implementation of fishing effort control.

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<p>4. ROP (Paragraph 9, Attachment C of CMM2007-01)</p> <p>5. Cooperation with other organizations</p> <p>a. ISC</p> <p>b. IATTC</p>	<p>Following Article 22.4, consult to facilitate consistent management measures throughout the respective ranges of the northern stocks.</p>	<p>Review effectiveness of Pacific bluefin tuna measure.</p> <p>Review implementation of ROP for fishing vessels operating in north of 20°N.</p> <p>Consider action to support ISC.</p> <p>Have consultation to maintain consistent measures for North Pacific albacore and Pacific bluefin tuna.</p> <p>Hold a joint working group meeting on Pacific bluefin tuna management.</p>	<p>Review effectiveness of Pacific bluefin tuna measure.</p> <p>Review implementation of ROP for fishing vessels operating in north of 20°N.</p> <p>Consider action to support ISC.</p> <p>Have consultation to maintain consistent measures for North Pacific albacore and Pacific bluefin tuna.</p> <p>Hold a joint working group meeting on Pacific bluefin tuna management.</p>	<p>Review effectiveness of Pacific bluefin tuna measure.</p> <p>Review implementation of ROP for fishing vessels operating in north of 20°N.</p> <p>Consider action to support ISC.</p> <p>Have consultation to maintain consistent measures for North Pacific albacore and Pacific bluefin tuna.</p> <p>Hold a joint working group meeting on Pacific bluefin tuna management.</p>