



Update on actions arising from the 12th Session of the IPHC Management Strategy Advisory Board (MSAB012)

PREPARED BY: IPHC SECRETARIAT (5 APRIL 2019)

PURPOSE

To provide the MSAB with an opportunity to consider the progress made during the inter-sessional period in relation to the recommendations and requests of the 12th Session of the IPHC Management Strategy Advisory Board (MSAB012).

BACKGROUND

At the 12th Session of the IPHC Management Strategy Advisory Board (MSAB012), participants agreed on a series of actions to be taken by the Commission, Subsidiary Bodies, and the IPHC Secretariat on a range of topics as detailed in [Appendix A](#).

DISCUSSION

Noting that best practice governance requires the prompt delivery of core tasks assigned by the Commission, at each subsequent session of the Commission and its subsidiary bodies, attempts will be made to ensure that any recommendations and requests for action are carefully constructed so that each contains the following elements:

- 1) a specific action to be undertaken (deliverable);
- 2) clear responsibility for the action to be undertaken (i.e., a specific Contracting Party, the IPHC Secretariat, a subsidiary body of the Commission, or the Commission itself);
- 3) a desired time frame for delivery of the action (i.e., by the next session of an subsidiary body, or other date).

This involves numbering and tracking all action items (see [Appendix A](#)) from the MSAB, as well as including clear progress updates and document reference numbers.

RECOMMENDATION/S

That the MSAB:

- 1) **NOTE** paper IPHC-2019-MSAB013-04, which provided the MSAB with an opportunity to consider the progress made during the inter-sessional period in relation to the recommendations and requests of the 12th Session of the IPHC Management Strategy Advisory Board (MSAB012).
- 2) **AGREE** to consider and revise as necessary, the actions arising from the MSAB012, and for these to be combined with any new actions arising from the MSAB013.

APPENDICES

[Appendix A](#): Update on actions arising from the 12th Session of the IPHC Management Strategy Advisory Board (MSAB012)

APPENDIX A

Update on actions arising from the 12th Session of the IPHC Management Strategy Advisory Board (MSAB012)

Action No.	Description	Update																		
RECOMMENDATIONS																				
MSAB012– Rec.01 (para. 20)	<p>A review of the goals and objectives of the IPHC MSE process</p> <p>The MSAB NOTED the refined objectives provided by the ad-hoc working group (contained in paper IPHC-2018-MSAB012-06), and RECOMMENDED prioritizing a single conservation objective over fishery measurable objectives (Table 1).</p> <p>Table 1. Priority objectives phrased as measurable outcomes used to evaluate MSE results. The first objective is prioritized over the others.</p> <table border="1"> <thead> <tr> <th>MEASURABLE OUTCOME</th> <th>TIME-FRAME</th> <th>TOLERANCE</th> </tr> </thead> <tbody> <tr> <td>SB < Spawning Biomass Limit (SB_{Lim})</td> <td>Long-term</td> <td>0.10</td> </tr> <tr> <td>SB_{Lim}=20% spawning biomass</td> <td></td> <td></td> </tr> <tr> <td>Relative AAV</td> <td>Short-term</td> <td></td> </tr> <tr> <td>Average Annual Variability (AAV) > 15%</td> <td>Short-term</td> <td>0.25</td> </tr> <tr> <td>Maximize average TCEY coastwide</td> <td>Short-term</td> <td></td> </tr> </tbody> </table>	MEASURABLE OUTCOME	TIME-FRAME	TOLERANCE	SB < Spawning Biomass Limit (SB _{Lim})	Long-term	0.10	SB _{Lim} =20% spawning biomass			Relative AAV	Short-term		Average Annual Variability (AAV) > 15%	Short-term	0.25	Maximize average TCEY coastwide	Short-term		<p>Completed: The prioritized objectives were used to rank management procedures at AM095. These objectives, as well as others, will be discussed at MSAB013. See paper IPHC-2019-MSAB013-07.</p>
MEASURABLE OUTCOME	TIME-FRAME	TOLERANCE																		
SB < Spawning Biomass Limit (SB _{Lim})	Long-term	0.10																		
SB _{Lim} =20% spawning biomass																				
Relative AAV	Short-term																			
Average Annual Variability (AAV) > 15%	Short-term	0.25																		
Maximize average TCEY coastwide	Short-term																			
MSAB012– Rec.02 (para. 24)	<p>Performance metrics for evaluation</p> <p>The MSAB RECOMMENDED that performance-metrics for the short-term span 4-13 years, medium-term span 14-23 years, and the long-term span 91-100 years, be reported to understand how the management procedures may rank differently in the different periods of the forward simulations.</p>	<p>Completed: Performance metrics for these three periods are reported when necessary (See paper IPHC-2019-MSAB013-07). Performance metrics for all three periods are available online via the MSE Explorer tool.</p>																		

MSAB012– Rec.03 (para. 37)	<p><i>Closed-loop simulation results to investigate coastwide fishing intensity</i></p> <p>The MSAB RECOMMENDED that a coastwide fishing intensity SPR should not be lower than 40% nor higher than 46%, with a target SPR of 42%-43% with a 30:20 HCR. Rationale for this recommendation is provided in paragraph 38.</p>	Completed: This recommendation was presented to the Commission at AM095 and noted in the AM095 report. No action taken by the Commission.
REQUESTS		
MSAB012– Req.01 (para. 21)	<p><i>A review of the goals and objectives of the IPHC MSE process</i></p> <p>The MSAB AGREED that statistics of interest are useful when evaluating management procedures and REQUESTED that they continue to be reported.</p>	Completed: Many additional performance metrics, including statistics of interest, are reported. See paper IPHC-2019-MSAB013-07.
MSAB012– Req.02 (para. 23)	<p><i>Performance metrics for evaluation</i></p> <p>The MSAB REQUESTED that the same metrics are calculated for the recreational sector as are calculated for the commercial sector and be reported for subsequent evaluations.</p>	In Progress: Performance metrics related to the recreational sector will be reported in future evaluations. The IPHC Secretariat will work with the MSAB to identify appropriate performance metrics.
MSAB012– Req.03 (para. 40)	<p><i>Closed-loop simulation results to investigate coastwide fishing intensity</i></p> <p>The MSAB REQUESTED that additional MPs components be considered to meet the objective of catch stability. The IPHC Secretariat may consider the following MPs, but is ENCOURAGED to explore other options to report at MSAB013.</p> <ul style="list-style-type: none"> a) 25:10 control rule, and other control rules, as possible, potentially including 30:10 and 30:15 and 30:20; b) Multi-year quotas, defined as setting the TCEY in one year and sticking with the same TCEY in one or more following years, noting that AAV may not be an appropriate metric to measure variability; c) Limiting change in catch limits from the previous year to +/-15% per year, in addition to other relevant percentages, with the goal of finding MPs that meet the main objectives; d) Limiting change in catch limits from the previous year to a maximum increase of 15% per year with no limit on decreasing the catch limit; e) Slow up (33% of the change in TCEY), 	Completed: All of these options were explored in the coastwide MSE and reported in document IPHC-2019-MSAB013-08.

	fast down (-50% of the change in TCEY).	
MSAB012– Req.04 (para. 43)	The MSAB REQUESTED that the IPHC Secretariat provide a report at MSAB013 of IPHC research and other relevant research (to the extent possible) activities related to relationships between population dynamics and environmental conditions, noting that the IPHC 5-year research plan is available on the IPHC website , to aid in the discussion of hypotheses that are plausible to include in the MSE process.	Pending: The IPHC Secretariat continue to communicate across branches to identify and implement activities that will aid in the discussion of plausible hypotheses to include in the MSE operating models. These activities could be reported at a future MSAB meeting that occurs in Seattle. See the IPHC's Biological and Ecosystem Science Research webpages: https://www.iphc.int/management/science-and-research/biological-and-ecosystem-science-research-program-bandesrp
MSAB012– Req.05 (para. 54)	Identify preliminary MPs related to distribution The MSAB REQUESTED that an additional management procedure be considered to define allocations and a catch limit floor that reduces catch limits in a stair-step manner during times of large abundance changes.	Pending: Management procedures will be discussed at MSAB013 to include in the evaluation of scale and distribution. See paper IPHC-2019-MSAB013-08.
MSAB012– Req.06 (para. 55)	The MSAB REQUESTED that the IPHC Secretariat and the MSAB continue to develop the concept of a 'fishery footprint', as previously considered in the 2015 IPHC Report of Assessment and Research Activities, page 238, in part to consider how it may be incorporated into a MP.	In Progress: The IPHC Secretariat will continue to develop the fishery footprint concept and present the concept to aid the development of management procedures and objectives.