



UPDATE ON THE ACTIONS ARISING FROM THE 14TH SESSION OF THE IPHC SCIENTIFIC REVIEW BOARD (SRB014)

PREPARED BY: IPHC SECRETARIAT (20 AUGUST 2019)

PURPOSE

To provide the Scientific Advisory Board (SRB) with an opportunity to consider the progress made during the intersessional period, on the recommendations/requests arising from the SRB014.

BACKGROUND

At the SRB014, the members recommended/requested a series of actions to be taken by the IPHC Secretariat staff, as detailed in the SRB014 meeting report ([IPHC-20198-SRB014-R](#)) available from the IPHC website, and as provided in [Appendix A](#).

DISCUSSION

During the 15th Session of the SRB (SRB015), efforts will be made to ensure that any recommendations/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 (such as the IPHC Staff or SRB officers);
- 3) a desired time frame for delivery of the action (such as by the next session of the SRB or by some other specified date).

RECOMMENDATION/S

That the SRB:

- 1) **NOTE** paper IPHC-2019-SRB015-03, which provided the SRB with an opportunity to consider the progress made during the inter-sessional period, in relation to the consolidated list of recommendations/requests arising from the previous SRB meeting (SRB014).
- 2) **AGREE** to consider and revise the actions as necessary, and to combine them with any new actions arising from SRB015.

APPENDICES

[Appendix A: Update on actions arising from the 14th Session of the IPHC Scientific Review Board \(SRB014\)](#)

APPENDIX A
Update on actions arising from the 14th Session of the IPHC Scientific Review Board (SRB014)

RECOMMENDATIONS

([para. 4](#)) **NOTING** that the core purpose of the SRB014 is to review progress on the IPHC science program, and to provide guidance for the delivery of products to the SRB015 in September 2019, the SRB **RECALLED** that formal recommendations to the Commission would not be developed at the present meeting, but rather, these would be developed at the SRB015.

REQUESTS

Action No.	Description	Update
SRB014– Req.01 (para. 14)	<p><i>Methods for spatial setline survey modelling – Program of work for 2019</i></p> <p>The SRB REQUESTED analysis of past prediction patterns (a type of cross-validation analysis) to help assess the proposed methods’ ability to meet precision targets while maintaining low bias. This should include an examination of spatio-temporal residual patterns for the appropriateness of estimated autocorrelation.</p>	<p>Completed. See paper <i>IPHC-2019-SRB015-06</i></p>
SRB014– Req.02 (para. 27)	<p><i>Pacific halibut stock assessment: 2019 - Modelling updates</i></p> <p>The SRB REQUESTED the following additional analyses for evaluation in September:</p> <ol style="list-style-type: none"> a) The Pacific Decadal Oscillation (PDO) index affects results that correspond with the presence and absence of FISS age data. As a check, perhaps evaluate models with the selectivity for the FISS fixed at the current estimates but then do a run which completely down-weights the FISS age data. This is intended as a check for the PDO coefficient. b) Evaluate a profile (coarse) over steepness, e.g. 0.65 and 0.85, and check the impact on recruitment estimates and RSB values. 	<p>Completed. See paper <i>IPHC-2019-SRB015-07</i></p>
SRB014– Req.03 (para. 32)	<p><i>Management Strategy Evaluation: update</i></p> <p>The SRB REQUESTED that the new operating model be used to generate simulated input data sets for simulation testing estimation performance of the current assessment ensemble. The SRB looks forward to reviewing these results as part of the full review of the assessment in 2022 or thereafter.</p>	<p>Completed. This will be included in the development of the new operating model. See paper <i>IPHC-2019-SRB015-09</i></p>



Action No.	Description	Update
SRB014– Req.04 (para. 48)	Research integration The SRB REQUESTED clarification on how the juvenile spatial distribution analyses and simulations will be used/incorporated into operating models. The SRB can only assume that these will be used to develop an age-dependent transition matrix for < 100 cm fish.	Completed. A review of information available describing Pacific halibut movement will be presented to SRB015. See paper IPHC-2019-SRB015-09
SRB014– Req.05 (para. 52)	The SRB REQUESTED preliminary results for steps (a)-(c) (paragraph 51) for the September 2019 meeting.	Pending. See papers IPHC-2019-SRB015-07 and IPHC-2019-SRB015-09
SRB014– Req.06 (para. 53)	Research priorities The SRB REQUESTED that an integrated set of future research priorities be presented jointly after the conclusion of the stock assessment, MSE, and biological program presentations. Integrated, in this context, means that priorities are co-developed by the program leads of the three groups. For example, a Table of Research Priorities could include the following columns: Rank, Topic, Justification, Lead Responsibility. Such a table will allow the SRB and Secretariat to effectively fill-in details and assess viability of the research.	Pending. This is a work in progress and will be presented to the SRB015.